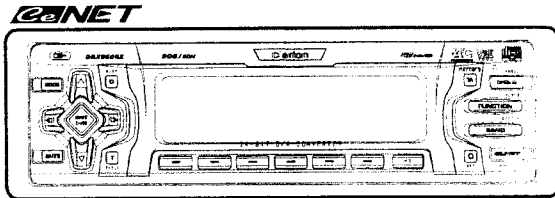


Service Manual



RDS-EON/FM/MW/LW Radio CD
Combination with MD/CD Changer/
TV/DAB Control/AC Processor
Function

Model **DRX960RZ**
(PE-2318E)

SPECIFICATIONS

Radio section

Tuning system: PLL synthesizer tuner
Receiving frequencies:
FM: 87.5 to 108MHz (0.05MHz steps)
MW: 531 to 1602kHz (9kHz steps)
LW: 153 to 279kHz (3kHz steps)

CD player section

System: Compact disc digital audio system
Frequency response: 5Hz to 20kHz (± 1 dB)
S/N ratio: 110dB (1kHz)
Dynamic range: 100dB (1kHz)
Distortion: 0.005%

General

Power supply voltage: 14.4V DC (10.8 to 15.6V allowable)
negative ground
Current consumption: Less than 7A
Auto antenna rated current:
500mA or less
Dimensions (mm): Main unit
178(W) \times 50(H) \times 152(D)
Remote control unit
44(W) \times 110(H) \times 27(D)
Weight: Main unit 1.8kg
Remote control unit
30g (including battery)

※ Specifications and design are subject to change without notice for further improvement.

NOTE

- ※ We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
- ※ Some CDs recorded in CD-R mode may not be usable.
- ※ Even when recorded in CD-R/W mode, some CDs not be usable.

COMPONENTS

PE-2318E-A

Main unit	-----	1
Remote control unit	RCB-130-700	1
Battery (SUM-3)	-----	2
Mounting bracket	300-9677-00	1
DCP case	335-5734-30	1
Outer escutcheon	940-7781-60	1
Extension lead	854-6369-50	1
Parts bag	-----	
Removal tool	331-0488-00	2
Clip	335-3744-00	1
Spacer	345-3653-20	1
Screw	716-0726-01	1

To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as re-modeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

2. Place the parts and wiring back in their original positions after replacement or re-wiring.
For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

4. Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

6. Cautions in handling flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270 C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

8. Cautions in checking that the optical pickup lights up.

The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.

9. Cautions in handling the optical pickup

The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

- 9-1. Laser diode

The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

- 9-2. Actuator

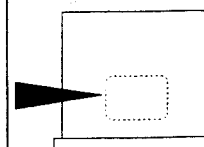
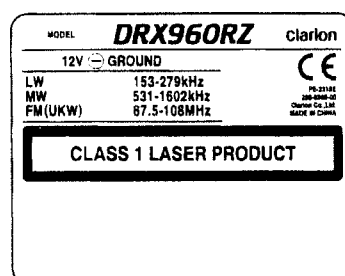
The actuator has a powerful magnetic circuit. If a magnetic material is put close to it, its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

- 9-3. Cleaning the lens

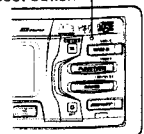
Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

CAUTIONS

This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED service station". To prevent direct exposure to the laser beam, do not to open the enclosure.



TROUBLESHOOTING

Problem	Cause	Measure
Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Press the reset button for about 2 seconds with a thin rod. 

■ ERROR DISPLAYS

If an error occurs, one of the following displays is displayed.

Take the measure described below to eliminate the problem.

	Error display	Cause	Measure
CD	ERROR 2	A CD is caught inside the CD deck and is not ejected.	This is a failure of CD deck's mechanism.
	ERROR 3	A CD cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD is loaded upside-down inside the CD deck and does not play.	Eject the disc then reload it properly.
CD CHANGER	ERROR 2	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
MD CHANGER	ERROR H	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
	ERROR 2	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism.
	ERROR 3	An MD inside the MD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	An MD inside the MD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
		Displayed when a non-recorded MD is loaded in the MD changer.	Load a pre-recorded MD in the MD changer.

If an error other than the ones described above appears, press the reset button.

■ ADJUSTMENT

FM section

Item	Procedure	Measuring instrument
S-meter	1. Input the 98.1MHz/30dB μ /400Hz(main90%+pilot10%) signal. 2. Turn on the power switch and press the DISP button & MODE button at the same time for about 2 seconds. (TEST MODE) 3. Press the SHIFT button to display the sub-display and press the AF+6(p-ch 6) button. 4. Adjust the reading of LCD display to [24----00](2.4V \pm 0.2V) by VR101.	SG

■ EXPLANATION OF IC

052-3362-01 M30624MGA-D55GP
RDS Tuner/CD Controller(Ce-NET)

1. Function : NE0 CD mechanism control, PLL IC control. Electric volume IC control, Ce-NET

2. Terminal Description

- pin 1: PLL CE : O : PLL chip enable signal output.
- pin 2: TIME BASE : IN : Time base signal input from the PLL IC.
- pin 3: SBSY : IN : CD IC Sub Q data request signal input.
- pin 4: NU : IN : Not in use.
- pin 5: RDS CLK : IN : Clock pulse input from RDS decoder.
- pin 6: BYTE : IN : Connect to ground.
- pin 7: CN VSS : IN : Connect to ground.
- pin 8: INIT 1 : IN : Connect to ground.
- pin 9: INIT 2 : IN : Connect to ground.
- pin 10: RESET_ : IN : Reset signal input. Negative logic.
- pin 11: X OUT : O : Crystal connection. 10MHz.
- pin 12: VSS : - : Ground.
- pin 13: X IN : IN : Crystal connection. 10MHz.
- pin 14: VCC : - : Positive supply voltage.
- pin 15: NU : IN : Not in use.
- pin 16: ACC DET : IN : ACC ON signal input.
- pin 17: B/U DET_ : IN : Backup voltage OFF signal input
"L"=Backup OFF. Negative logic.

- pin 18: KEY INT_ : IN : Interrupt signal input of FUNCTION or EJECT key. Negative logic.
- pin 19: 27pinCONNECT : IN : Connect to pin 27.
- pin 20: DCP DET : IN : "L"= with DCP. "H"= without DCP.
- pin 21: DSP MODE : O : Master clock source selection signal input. "L"= slave mode (digital). "H"= master mode (analog).
- pin 22: NU : O : Not in use.
- pin 23: DISP RESET : O : Reset signal output to the display IC.
- pin 24: DIR REF : O : PLL Reference clock output to the DIR IC.
- pin 25: INV +B : O : Back light ON signal output. "H"= ON.
- pin 26: CODEC RST_ : O : Reset signal output to μ K7716. Negative logic.
- pin 27: IE BUS RX : IN : IE Bus communication line.
- pin 28: IE BUS TX : O : IE Bus communication line.
- pin 29: INIT RST_ : O : Reset signal output to μ K7716. Negative logic.
- pin 30: DSP RST_ : O : Reset signal output to μ K7716. Negative logic.
- pin 31: E/DOUT : IN : Channel emphasis flag output.
- pin 32: DIR ERROR_ : IN : Error detection signal input. Negative logic. "L"= digital in. "H"= analog in.
- pin 33: DSP SO : O : The Communication line with the DSP IC.
- pin 34: DSP SI : IN : The Communication line with the DSP IC.
- pin 35: DSP SCK : O : The Communication line with the DSP

IC.

pin 36: DSP RDY : IN : The Communication line with the DSP IC.

pin 37: DSP RQ : O : The Communication line with the DSP IC.

pin 38: (DSP DRDY) : IN : The Communication line with the DSP IC.

pin 39: DSP S MUTE : O : Soft muting starting signal output to the DSP IC.

pin 40: CD BUC 0 : I/O : The Communication line with the CD IC.

pin 41: CD BUC 1 : I/O : The Communication line with the CD IC.

pin 42: CD BUC 2 : I/O : The Communication line with the CD IC.

pin 43: CD BUC 3 : I/O : The Communication line with the CD IC.

pin 44: CD BUC K : O : Clock pulse output terminal to the CD IC.

pin 45: CD CCE : O : Chip enable signal output.

pin 46: CD RESET_ : O : Reset pulse output to the CD/Servo IC. Negative logic.

pin 47: CD CHAK SW_ : IN : L= Disc is loaded and the Chuking Switch is ON. Negative logic.

pin 48: CD TR A : IN : Photo sensor signal input.

pin 49: CD TR B : IN : Photo sensor signal input.

pin 50: CD TR C : IN : Photo sensor signal input.

pin 51: CD MCCW : O : Loading motor control output. Ref. Table 1.

pin 52: CD MCW : O : Loading motor control output. Ref. Table 1.

pin 53: CD 5V : O : Power supply control signal output for the CD IC / DAC IC. "H"= ON.

pin 54: CD +8V : O : Power supply ON signal output for the Loading motor and the Photo sensors.

pin 55: RADIO_/BUSSL : O : Ce-NET audio bus select signal output. "L"= radio.

pin 56: DIR X LAT_ : O : DIR communication line. Negative logic.

pin 57: VOL STB : O : Strobe pulse output to the Electric volume or the DIR.

pin 58: VOL/DIR DT : O : Serial data output to the Electric volume or the DIR.

pin 59: VOL/DIR CK : O : Serial clock output to the Electric volume or the DIR.

pin 60: VCC : - : Positive supply voltage.

pin 61: CATS LED : O : CATS LED control signal output.

pin 62: VSS : - : Ground.

pin 63: MOTOR REM : O : Power supply ON signal output to Slope Mechanism motor.

pin 64: MOTOR + : O : Slope Mechanism motor control signal output.

pin 65: MOTOR - : O : Slope Mechanism motor control signal output.

pin 66: ANGLE POSI : IN : Slope Mechanism Memory Angle Position signal input. "L"= Close to 20 degree. "H"= 20 degree to Open.

pin 67: EJECT POSI_ : IN : Slope Mechanism Eject Position signal input. Negative logic.

pin 68: AMP REM OUT : O : Amplifier ON signal output terminal.

pin 69: NAVI MUTE_ : O : Mute signal output for the audio signal of Navigation. Negative logic.

pin 70: KEY ILL REM : O : Key illumination ON signal output.

pin 71: 5V REM : O : 5V power supply ON signal output for Micro computer.

pin 72: AMP RM DE_ : IN : Inputed "L" when the remote line is shorted. Negative logic.

pin 73: ILL DET_ : IN : Illumination ON signal input. Negative logic.

pin 74: SYS MUTE_ : O : System mute signal output. Negative logic.

pin 75: LINE MUTE_ : O : Mute signal output for Audio signal of Ce-NET. Negative logic.

pin 76: AMP MUTE_ : O : Muting signal output the internal Power Amplifier Negative logic.

pin 77: SYS ACC : O : ACC detect signal output to slave micro computer.

pin 78: AUTO ANT : O : Motor antenna control signal output. "H"= Radio ON.

pin 79: PHONE INT : IN : Telephone interrupt signal input.

pin 80: SPAN LEVEL_ : O : Spectrum analyzer level control signal output. Negative logic. "L"= EQ ON.

pin 81: RDS TST ST_ : O : "L"= Checking ST-display. Negative logic.

pin 82: RDS MUTE SP : O : Station Detection speed up signal output. Ref. Table 2.

pin 83: RDS DATA : IN : RDS data input.

pin 84: RDS DISCG : O : Discharge signal output of NOISE 1.

pin 85: RDS MUTE : O : RDS mute signal output.

pin 86: SD : IN : Station detection signal input.

pin 87: KEY A/D : IN : Input terminal of A/D converter for Key judgment. Ref. Table 3.

pin 88: S METER : IN : RDS FM S meter signal input.

pin 89: NOISE 1 : IN : RDS noise level detector input.

pin 90: W ILL A : O : W illumination output terminal. "H"= amber, "L"= green.

pin 91: SPAN DATA : IN : Spectrum analyzer data input.

pin 92: SPAN C : O : Spectrum analyzer frequency selection signal output.

pin 93: SPAN B : O : Spectrum analyzer frequency selection signal output.

pin 94: A VSS : - : Ground terminal for A/D converter.

pin 95: SPAN A : O : Spectrum analyzer frequency selection signal output.

pin 96: VREF : IN : Reference voltage for A/D converter.

pin 97: A VCC : - : Positive supply voltage for A/D converter.

pin 98: PLL DO : O : PLL serial data output.

pin 99: PLL DI : IN : PLL serial data input.

pin100: PLL SCK : O : PLL serial clock output.

Table 1. Loading motor control output

	Loading	Eject	Brake	Stop
MCW (pin 52)	H	L	H	L
MCCW (pin 51)	L	H	H	L

Table 2. Station Detection speed up signal output(pin 82)

	Receiving	Chasing	Seeking
FM	L	H	L
AM	L	-	L

Table 3. Input of A/D converter for Key judgment (pin 87)

Judgment	A/D steps		
Eject key	0/256	to	25/256
Function key	26/256	to	51/256
With DCP	205/256	to	238/256
Without DCP	239/256	to	256/256

052-7047-10 LC374500STS-L20 ROM for Display

1. Terminal Description

pin 1: A 11 : Address signal input terminal.

pin 2: A 9 : Address signal input terminal.

pin 3: A 8 : Address signal input terminal.

pin 4: A 13 : Address signal input terminal.

pin 5: A 14 : Address signal input terminal.

pin 6: A 7 : Address signal input terminal.

pin 7: WE_ : Wright enable signal input terminal. Negative logic.

pin 8: VCC : Positive supply voltage.

pin 9: A 18 : Address signal input terminal.

pin 10: A 16 : Address signal input terminal.

pin 11: A 15 : Address signal input terminal.

pin 12: A 12 : Address signal input terminal.

pin 13: A 7 : Address signal input terminal.

pin 14: A 6 : Address signal input terminal.

pin 15: A 5 : Address signal input terminal.

pin 16: A 4 : Address signal input terminal.

pin 17: A 3 : Address signal input terminal.

pin 18: A 2 : Address signal input terminal.

pin 19: A 1 : Address signal input terminal.

pin 20: A 0 : Address signal input terminal.

pin 21: D 0 : Data signal output terminal.

pin 22: D 1 : Data signal output terminal.

pin 23: D 2 : Data signal output terminal.

pin 24: VSS : Ground terminal.

pin 25: D 3 : Data signal output terminal.

pin 26: D 4 : Data signal output terminal.

pin 27: D 5 : Data signal output terminal.

pin 28: D 6 : Data signal output terminal.

pin 29: D 7 : Data signal output terminal.

pin 30: CE_ : Chip enable signal input terminal. Negative logic.

pin 31: A 10 : Address signal input terminal.
pin 32: OE_ : Output signal input terminal.
Negative logic.

052-7048-01 M30620MCA-E12GP Display Controller

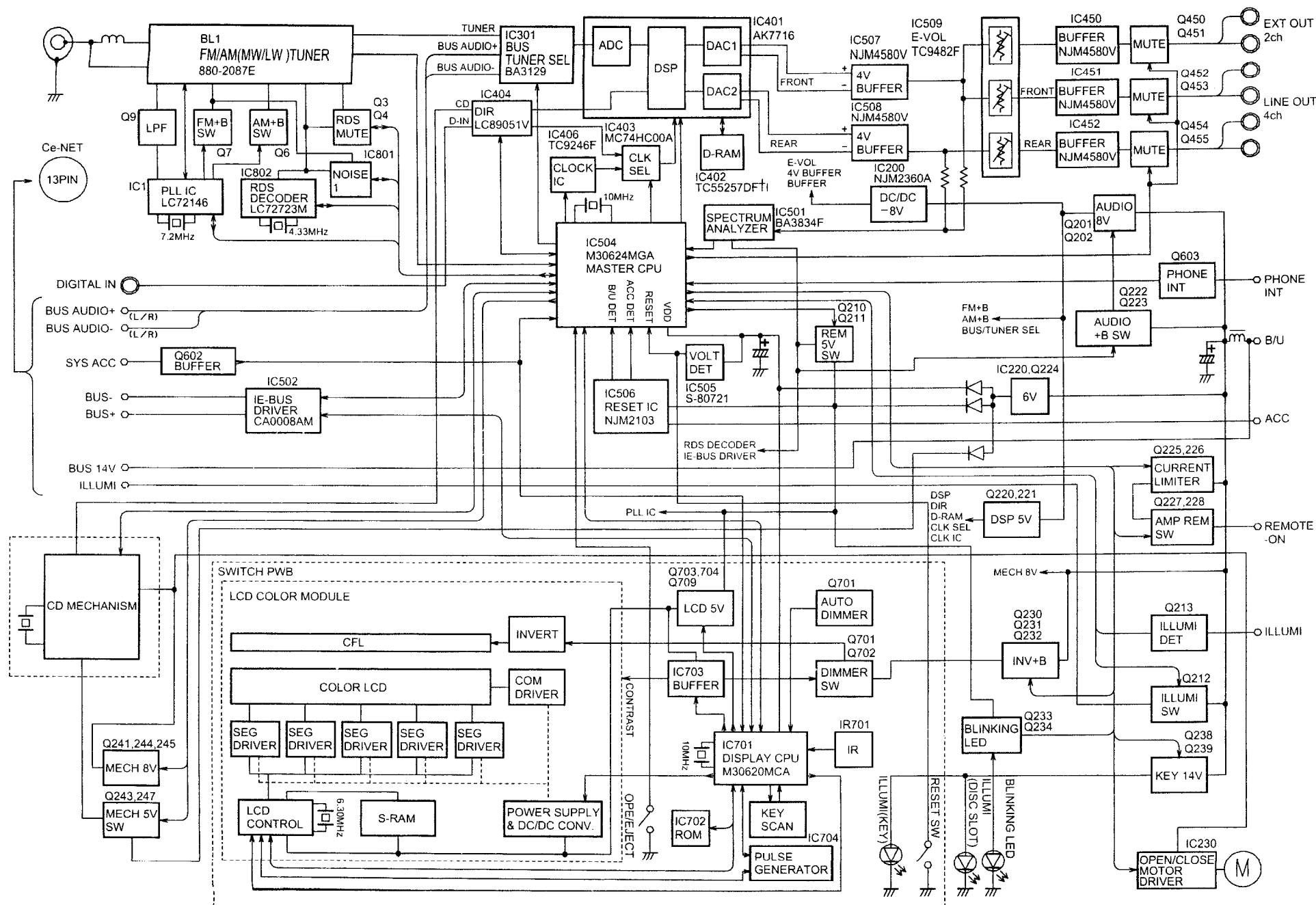
1. Terminal Description

pin 1: DIMER CONT : O : The brightness control signal output for LCD back light.
pin 2: CONTRAST : O : LCD contrast control signal output.
pin 3: DISP 5V REM : O : 5V power supply circuit control signal output for LCD module.
pin 4: NU : IN : Connect to the ground.
pin 5: REMOCON : IN : Remote control signal input.
pin 6: BYTE : IN : Connect to VCC.
pin 7: CNVSS : IN : Connect to VSS.
pin 8: INIT1 : IN : Destination setting. Ref. Table 1.
pin 9: INIT2 : IN : Destination setting. Ref. Table 1.
pin 10: RESET_ : IN : Reset signal input. Negative logic.
pin 11: X OUT : O : Main system clock crystal connection.
pin 13: X IN : IN : Main system clock crystal connection.
pin 12: VSS : - : Ground.
pin 14: VCC : - : Positive supply voltage.
pin 15: NU : IN : Connect to VDD.
pin 16: SYS ACC IN : IN : Ce-NET ACC detection input.
pin 17: NU : IN : Connect to ground.
pin 18: ILLUMI DET_ : IN : "L"= Illumination ON.
pin 19: 27PIN CON : IN : Connect to 27PIN(IE-BUS RX).
pin 20: LCD RESET_ : O : Reset signal output to the LCD driver Negative logic.
pin 21: NU : IN : Connect to the ground.
pin 22: NU : IN : Connect to the ground.
pin 23: NU : IN : Connect to the ground.
pin 24: NU : IN : Connect to the ground.
pin 25: NU : IN : Connect to the ground.
pin 26: NU : IN : Connect to the ground.
pin 27: IE-BUS RX : IN : IE-BUS communication line.
pin 28: IE-BUS TX : O : IE-BUS communication line.
pin 29: NU : IN : Connect to the ground.
pin 30: NU : IN : Connect to the ground.
pin 31: NU : IN : Connect to the ground.
pin 32: NU : IN : Connect to the ground.
pin 33: NU : IN : Connect to the ground.
pin 34: NU : IN : Connect to the ground.
pin 35: NU : IN : Connect to the ground.
pin 36: NU : IN : Connect to the ground.
pin 37: LCD READY_ : IN : LCD ready signal detection. Negative logic.
pin 38: NU : IN : Not in use.
pin 39: NU : IN : Pull up.
pin 40: NU : IN : Not in use.
pin 41: NU : IN : Not in use.
pin 42: MEMW/IO_ : O : Display data reading out signal output.
pin 43: NU : IN : Not in use.
pin 44: MEMW/IOW_ : O : Display data writing in signal output.
pin 45: NU : IN : Connect to the ground.
pin 46: LCD MEMCS_ : O : Display RAM selection signal output.
pin 47: LCD IOCS_ : O : Display resistor selection signal output.
pin 48: LCD ROMCS_ : O : External ROM selection.
pin 49: ADDR 18 : O : Address output.
pin 50: NU : O : Not in use.
pin 51: ADDR 17 : O : Address output.
pin 52: ADDR 16 : O : Address output.
pin 53: ADDR 15 : O : Address output.
pin 54: ADDR 14 : O : Address output.
pin 55: ADDR 13 : O : Address output.
pin 56: ADDR 12 : O : Address output.
pin 57: ADDR 11 : O : Address output.
pin 58: ADDR 10 : O : Address output.
pin 59: ADDR 9 : O : Address output.
pin 60: VCC : - : Positive supply voltage.
pin 61: ADDR 8 : O : Address output.
pin 62: VSS : - : Ground.
pin 63: ADDR 7 : O : Address output.

pin 64: ADDR 6 : O : Address output.
pin 65: ADDR 5 : O : Address output.
pin 66: ADDR 4 : O : Address output.
pin 67: ADDR 3 : O : Address output.
pin 68: ADDR 2 : O : Address output.
pin 69: ADDR 1 : O : Address output.
pin 70: ADDR 0 : O : Address output.
pin 71: NU : IN : Connect to the ground.
pin 72: NU : IN : Connect to the ground.
pin 73: KEY OUT 5_ : O : Key scan output.
pin 74: KEY OUT 4_ : O : Key scan output.
pin 75: KEY OUT 3_ : O : Key scan output.
pin 76: KEY OUT 2_ : O : Key scan output.
pin 77: KEY OUT 1_ : O : Key scan output.
pin 78: KEY OUT 0_ : O : Key scan output.
pin 79: DATA 7 : I/O : Data input/output.
pin 80: DATA 6 : I/O : Data input/output.
pin 81: DATA 5 : I/O : Data input/output.
pin 82: DATA 4 : I/O : Data input/output.
pin 83: DATA 3 : I/O : Data input/output.
pin 84: DATA 2 : I/O : Data input/output.
pin 85: DATA 1 : I/O : Data input/output.
pin 86: DATA 0 : I/O : Data input/output.
pin 87: KEY IN 3_ : IN : Key scan input.
pin 88: KEY IN 2_ : IN : Key scan input.
pin 89: KEY IN 1_ : IN : Key scan input.
pin 90: KEY IN 0_ : IN : Key scan input.
pin 91: NU : IN : Connect to the ground.
pin 92: NU : IN : Connect to the ground.
pin 93: NU : IN : Connect to the ground.
pin 94: AVSS : - : Connect to VSS.
pin 95: AUTO DIMER : IN : Auto dimmer signal input.
pin 96: Vref : IN : Reference voltage of the internal ADC.
pin 97: A VCC : - : Positive supply voltage for the internal ADC.
pin 98: NU : IN : Connect to the ground.
pin 99: NU : IN : Connect to the ground.
pin100: NU : IN : Connect to the ground.

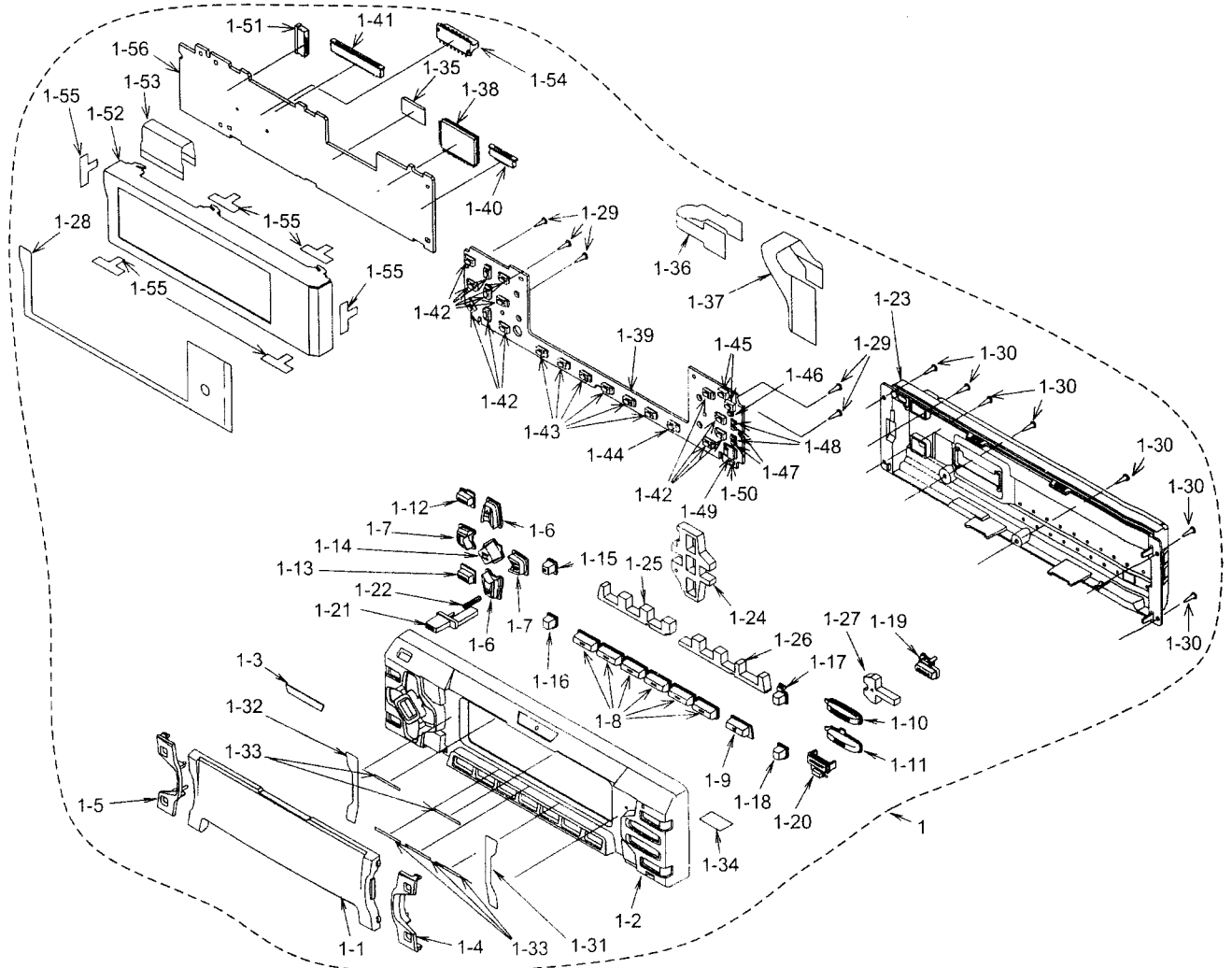
Table 1. Destination setting

	North America	Third area	Japan	Europe
INIT 1 (pin 8)	H	L	H	L
INIT 2 (pin 9)	L	L	H	H



EXPLODED VIEW • PARTS LIST

DCP section

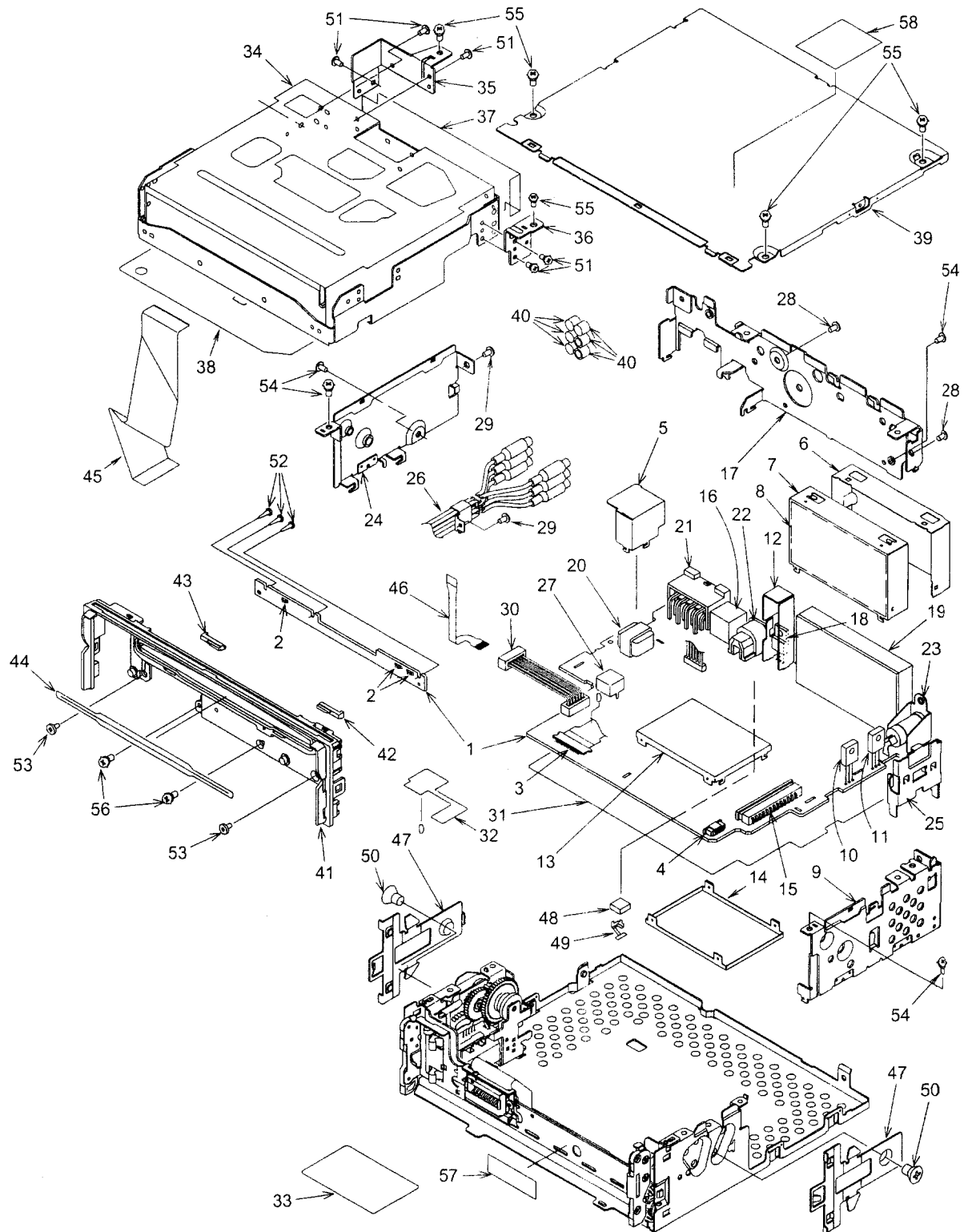


NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	DCP-331-700	DCP ASSY	1	1-21	382-5215-00	BUTTON(RELEASE)	1
1-1	373-0915-00	DIAL COVER	1	1-22	750-3365-20	SPRING	1
1-2	370-5853-01	ESCUTCHEON	1	1-23	335-5893-01	REAR COVER	1
1-3	378-0515-00	BADGE	1	1-24	345-8464-00	CUSHION(VOL)	1
1-4	335-6178-01	BUTTON HOLDER	1	1-25	345-8465-00	CUSHION(PRE1)	1
1-5	335-6179-00	BUTTON HOLDER(L)	1	1-26	345-8466-00	CUSHION(PRE2)	1
1-6	382-5611-00	BUTTON(VOL)	2	1-27	345-8467-00	CUSHION(FUNC)	1
1-7	382-5612-00	BUTTON(SEEK)	2	1-28	347-6271-00	FILM	1
1-8	382-5613-00	BUTTON(PRESET)	6	1-29	716-0872-00	PAD SCREW(M1.7×5)	5
1-9	382-5614-00	BUTTON(SHIFT)	1	1-30	716-0872-12	PAD SCREW(M1.7×8)	7
1-10	382-5615-00	BUTTON(FUNC)	1	1-31	347-6272-00	DOUBLE FACE(R)	1
1-11	382-5616-00	BUTTON(BAND)	1	1-32	347-6273-00	DOUBLE FACE(L)	1
1-12	382-5617-00	BUTTON(MODE)	1	1-33	347-6274-00	DOUBLE FACE	5
1-13	382-5618-00	BUTTON(MUTE)	1	1-34	347-6275-00	FILM	1
1-14	382-5619-00	BUTTON(ENT)	1	1-35	052-7047-10	IC(ROM)	1
1-15	382-5620-00	BUTTON(DISP)	1	1-36	039-1667-00	FLEXIBLE PWB	1
1-16	382-5621-00	BUTTON(TITLE)	1	1-37	039-1390-00	FLEXIBLE PWB	1
1-17	382-5622-01	BUTTON(TA)	1	1-38	052-7048-01	IC(M30620MCA)	1
1-18	382-5623-00	BUTTON(P-OFF)	1	1-39	039-1696-00	SWITCH SUB PWB (WITHOUT COMPONENT)	1
1-19	382-5624-00	BUTTON(OPEN)	1	1-40	074-1201-19	OUTLET SOCKET(19P)	1
1-20	335-6177-00	IR-FILTER	1				

NO.	PART NO.	DESCRIPTION	Q'TY
1-41	074-1189-00	OUTLET SOCKET(50P)	1
1-42	013-6512-00	ILLUMI SWITCH(GRN/ORG)	13
1-43	013-6513-00	ILLUMI SWITCH(RED)	6
1-44	013-6510-00	ILLUMI SWITCH(GREEN)	1
1-45	013-6507-50	SWITCH	2
1-46	001-7040-00	LED(BLUE)	1
1-47	001-7043-02	LED(ORANGE)	2
1-48	001-7043-00	LED(GREEN)	2
1-49	060-4008-00	IR-RECEIVER	1

NO.	PART NO.	DESCRIPTION	Q'TY
1-50	060-4011-80	PHOTO-TR	1
1-51	074-1138-09	OUTLET SOCKET(9P)	1
1-52	379-0453-01	INDICATOR(LCD)	1
1-53	816-2482-00	FLAT WIRE	1
1-54	076-0616-00	PLUG	1
1-55	347-5991-20	INSULATOR	6
1-56	039-1695-00	SWITCH PWB (WITHOUT COMPONENT)	1

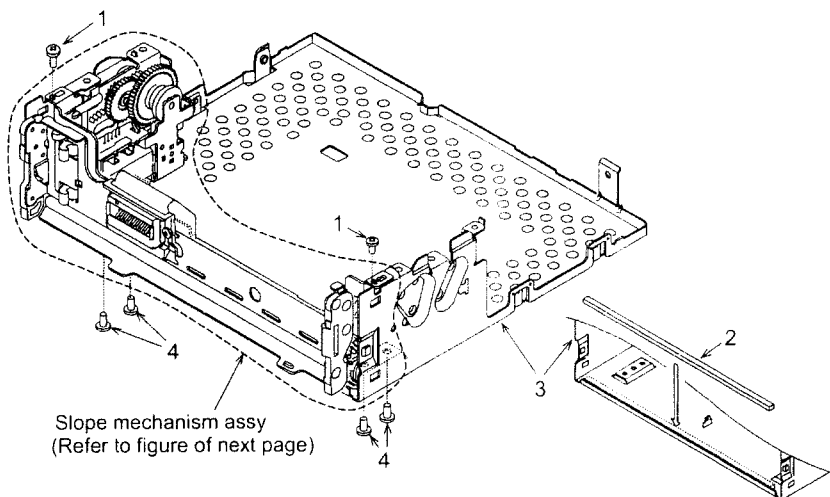
Main section



NO.	PART NO.	DESCRIPTION	Q'TY
1	039-1733-00	MAIN-PWB (WITHOUT COMPONENT)	1
2	001-7011-04	LED(RED)	3
3	074-1049-14	OUTLET SOCKET(14P)	1
4	074-1048-06	OUTLET SOCKET(6P)	1
5	331-1862-21	SHIELD CASE	1
6	331-2946-00	SHIELD COVER(R)	1
7	331-2945-00	SHIELD COVER(F)	1
8	347-6285-00	INSULATOR	1
9	305-0288-00	SIDE-COVER(R)	1
10	101-1018-30	TRANSISTOR(2SB1018A)	1
11	103-2353-00	TRANSISTOR(2SD2353)	1
12	313-1781-00	HEAT SINK	1
13	331-2929-00	SHIELD COVER(V)	1
14	331-2930-00	SHIELD COVER(L)	1
15	074-0986-26	OUTLET SOCKET(26P)	1
16	074-1194-00	OUTLET SOCKET(CE-NET)	1
17	307-0645-00	REAR-COVER	1
18	103-2012-00	TRANSISTOR(2SD2012)	1
19	880-2087E	TUNER PACK(FM/MW/LW)	1
20	009-9008-60	CHOKE	1
21	074-1023-08	OUTLET SOCKET(8P)	1
22	075-0305-01	JACK(DIGITAL)	1
23	092-4000-50	ANTENNA RECEPTACLE	1
24	305-0267-00	SIDE-COVER(L)	1
25	313-1651-21	HEAT SINK	1
26	855-5424-50	RCA PIN CORD	1
27	331-2869-00	SHIELD CASE	1
28	714-3006-81	MACHINE SCREW(M3×6)	2
29	731-3006-80	TAPTIGHT(M3×6)	2

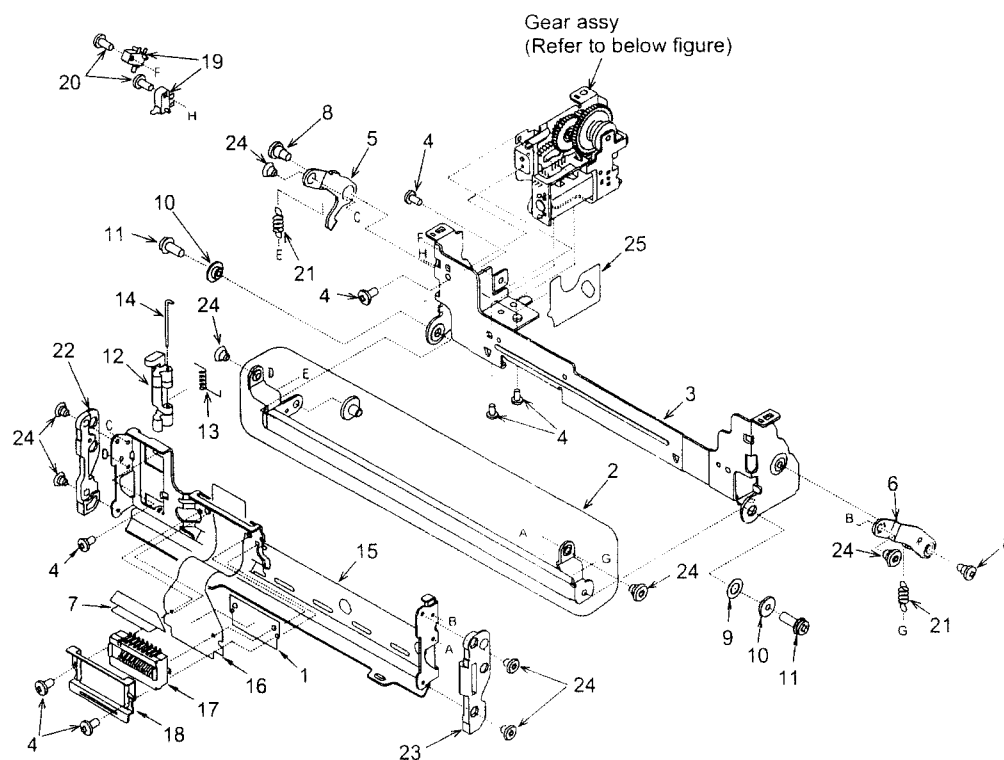
NO.	PART NO.	DESCRIPTION	Q'TY
30	854-4445-80	EXTENSION LEAD(5P)	1
31	347-6279-00	INSULATOR	1
32	347-6280-00	SHIELD SHEET	1
33	286-9399-00	SETPLATE	1
34	929-0092-82	CD MECHANISM	1
35	331-2493-00	CD-SUB-BRKT(REAR)	1
36	331-2494-00	CD-SUB-BRKT(RIGHT)	1
37	347-5917-00	INSULATOR	1
38	347-5916-02	INSULATOR	1
39	303-0466-02	UPPER-COVER	1
40	345-3799-20	RUBBER CAP	6
41	370-5787-00	INNER ESCUTCHEON	1
42	335-5895-01	ILLUMI PLATE(R)	1
43	335-5894-01	ILLUMI PLATE(L)	1
44	346-0104-00	LEATHER SHEET	1
45	816-2391-00	FLAT CABLE	1
46	039-1406-00	FLEXIBLE PWB (WITHOUT COMPONENT)	1
47	750-3137-00	SPRING	2
48	345-8513-00	SPACER	1
49	331-1709-00	EARTH PLATE	1
50	714-5008-41	MACHINE SCREW(M5×8)	2
51	716-0717-10	STEEL SCREW	5
52	716-0872-00	PAD SCREW	3
53	716-1833-00	SPACER SCREW	2
54	731-2606-80	TAPTIGHT(M2.6×6)	4
55	731-3006-80	TAPTIGHT(M3×6)	5
56	780-2005-00	SCREW(M2×5)	2
57	291-0078-00	STICKER(SEcurity)	1
58	291-0083-00	STICKER(VW)	1

Lower case assy section



NO.	PART NO.	DESCRIPTION	Q'TY
1	714-2004-87	MACHINE SCREW(2×4)	2
2	345-8116-20	INSULATOR	1
3	311-1791-80	LOWER CASE	1
4	714-2603-81	MACHINE SCREW(M2.6×3)	4

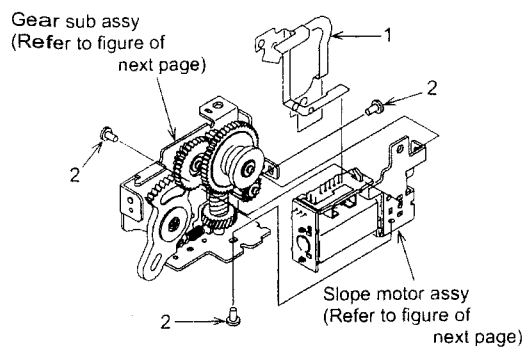
Slope mechanism assy section



NO.	PART NO.	DESCRIPTION	Q'TY
1	347-6339-00	SPACER	1
2	946-0076-20	LEVER ASSY	1
3	309-0717-00	FRONT PLATE	1
4	716-1468-00	SCREW(M2X2.5)	7
5	331-2583-00	LEVER(L)	1
6	331-2584-00	LEVER(R)	1
7	347-5980-20	SHADE	1
8	716-1832-00	SCREW	2
9	746-0903-00	WASHWE	1
10	341-1657-00	LEVER-LO-SPACER	2
11	716-1826-00	SCREW(M2.6X8)	2
12	335-5887-00	HOOK	1
13	750-3366-20	SPRING	1

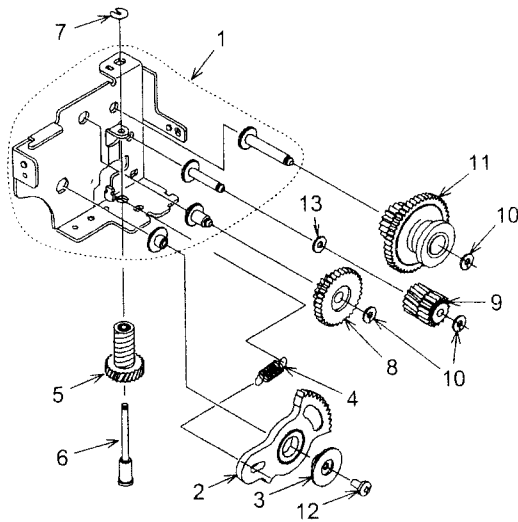
NO.	PART NO.	DESCRIPTION	Q'TY
14	341-1697-00	SHAFT	1
15	331-2589-00	DCP HOLDER	1
16	039-1391-00	FLEXIBLE PWB	1
17	074-1220-00	OUTLET SOCKET	1
18	331-2582-00	CONNECTOR COVER	1
19	013-3879-01	SWITCH	2
20	716-1742-00	SCREW(M2X5)	2
21	750-3303-20	SPRING	2
22	335-5896-00	ARM COVER(L)	1
23	335-5897-00	ARM COVER(R)	1
24	716-1715-02	SCREW	8
25	347-5981-20	INSULATOR	1

Gear assy section



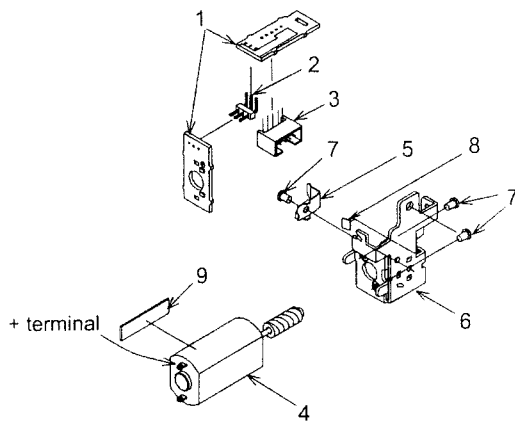
NO.	PART NO.	DESCRIPTION	QTY
1	039-1163-00	FLEXIBLE PWB (WITHOUT COMPONENT)	1
2	716-1468-00	SCREW(M2X2.5)	3

Gear sub assy section



NO.	PART NO.	DESCRIPTION	Q'TY
1	946-0067-01	GEAR BOX ASSY	1
2	613-0665-00	ARM GEAR	1
3	341-1658-00	GEAR SPACER	1
4	750-3304-20	SPRING	1
5	613-0663-00	SECOND ARM GEAR	1
6	341-1650-02	SHAFT	1
7	746-0910-00	WASHER	1
8	613-0666-00	IDLER GEAR	1
9	613-0664-00	INPUT GEAR	1
10	746-0827-01	WASHER	3
11	947-0452-00	T-LIM-GEAR ASSY	1
12	716-1742-00	SCREW(M2X5)	1
13	746-0625-00	WASHER	1

Slope motor assy section

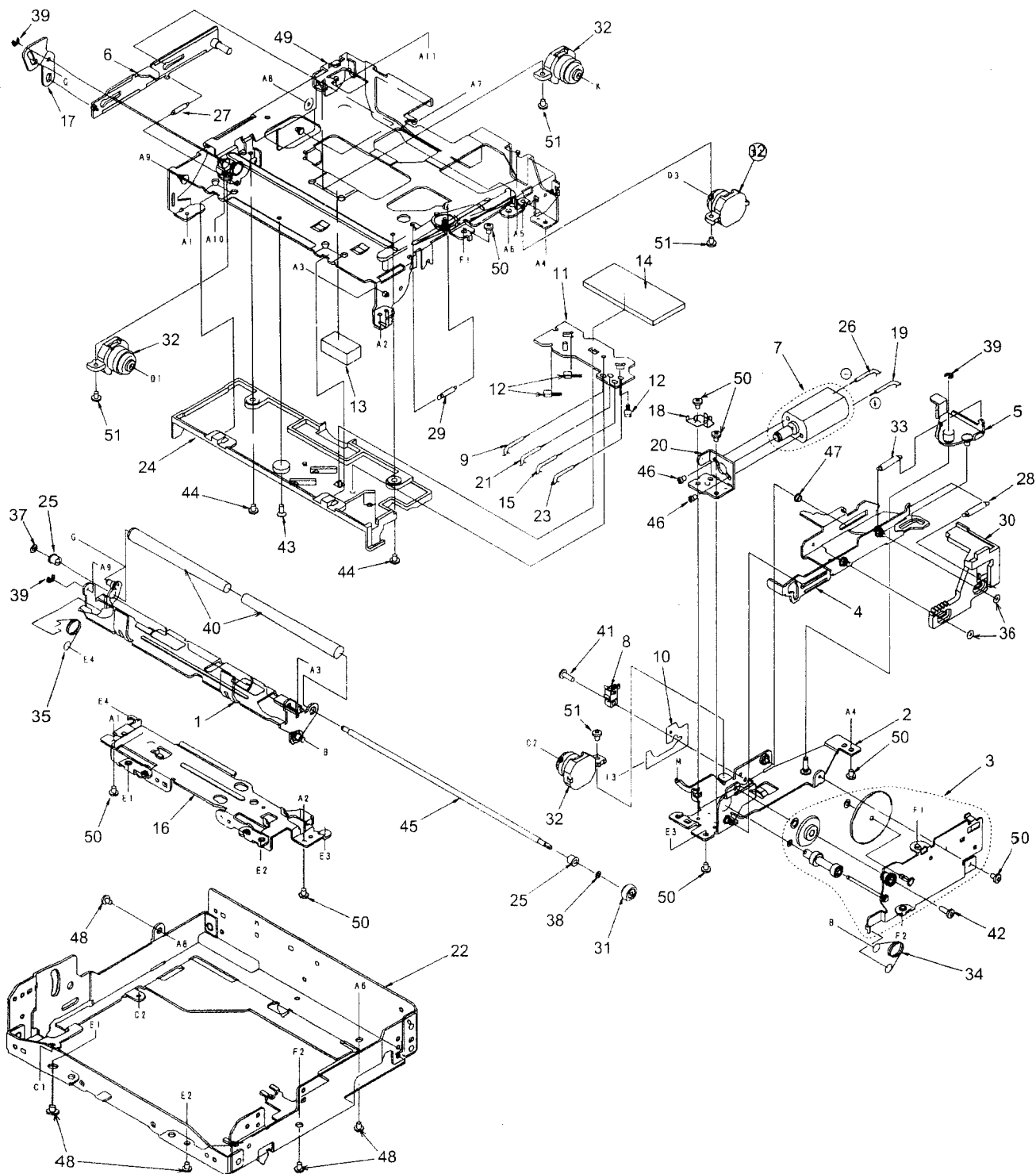


NO.	PART NO.	DESCRIPTION	Q'TY
1	039-1191-20	MOTOR PWB (WITHOUT COMPONENT)	1
2	076-0324-03	PLUG(3P)	1
3	076-0374-05	PLUG(5P)	1
4	634-0018-00	MOTOR ASSY	1
5	750-3300-01	SPRING	1
6	331-2316-01	MOTOR HOLDER	1
7	716-1468-00	SCREW(M2X2.5)	3
8	347-6027-20	SPACER SHEET	1
9	345-8106-20	INSULATOR	1

CD mechanism :Mecha chassis section

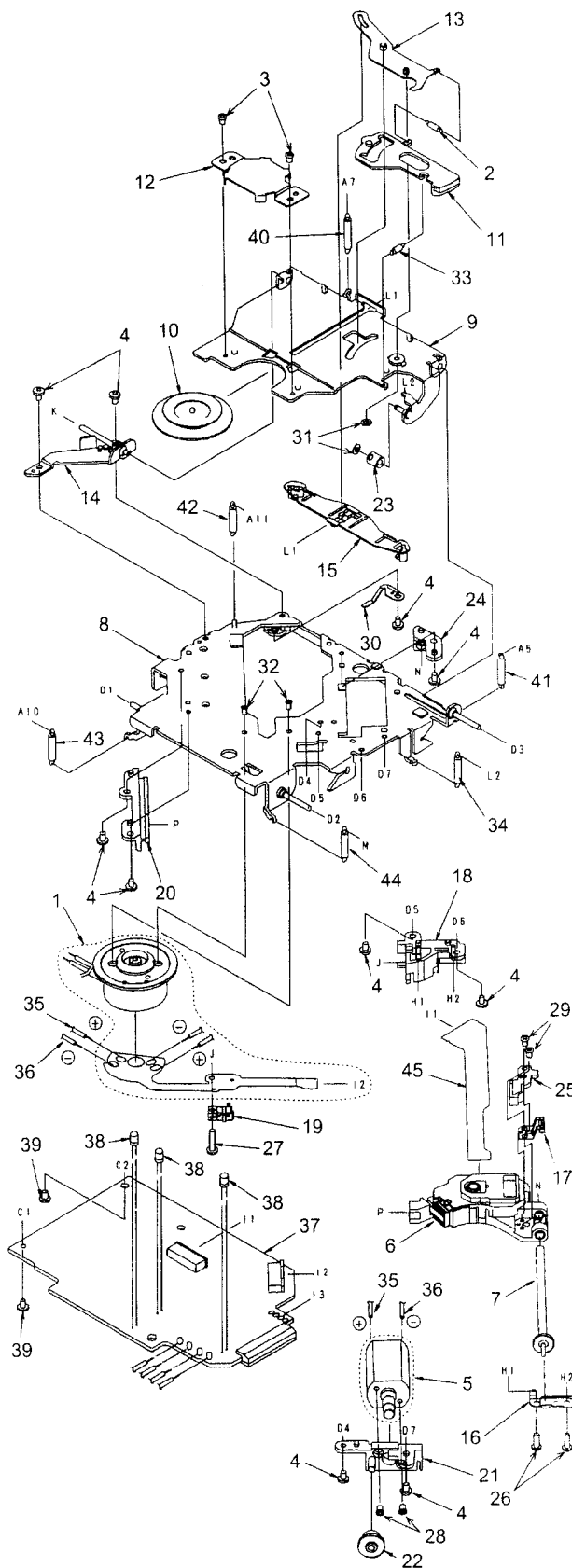
Figure on next page

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	966-0309-05	L-DISC-G-ASSY	1	20	620-0492-01	MOTOR BRACKET	1
2	966-0310-06	SHIFT-P-CH-ASSY	1	21	801-4910-60	VINYL-COAT-WIRE(BRN)	1
3	HBS-430-100	GEAR PLATE ASSY	1	22	620-0773-01	CD-MECH-BRKT	1
4	966-0312-06	SHIFT-PLATE-ASSY	1	23	800-4910-60	VINYL-COAT-WIRE(BLK)	1
5	966-0358-01	DRIVE-L-PLATE-ASSY	1	24	621-0402-01	U-DISC GUIDE-F	1
6	966-0359-03	SIDE-L-PLATE-ASSY	1	25	621-0243-02	ROLLER SLEEVE	2
7	SMA-147-100	MOTOR ASSY(LOADING)	1	26	800-4904-60	VINYL-COAT-WIRE(BLK)	1
8	013-3879-01	CHUCKING SWITCH	1	27	750-3189-00	SIDE-L-SPRING	1
9	804-4910-60	VINYL-COAT-WIRE(YEL)	1	28	750-3098-00	L-LINK SPRING	1
10	039-0586-01	CHUCKING SWITCH PWB (WITHOUT COMPONENT)	1	29	750-3094-00	S-ARM SPRING	1
11	039-0588-01	SENSOR PWB (WITHOUT COMPONENT))	1	30	621-0248-07	RACK GEAR	1
12	060-0252-01	PHOTO-TR	3	31	621-0249-02	ROLLER GEAR	1
13	345-7513-01	CLAMPER SHEET	1	32	629-0074-00	DAMPER	4
14	345-7514-00	SENSOR PWB SHEET	1	33	750-3092-03	SHIFT SPRING	1
15	802-4910-60	VINYL-COAT-WIRE(RED)	1	34	750-3091-03	LOADING-SPRING-R	1
16	620-0485-04	FRONT PLATE	1	35	750-3090-02	LOADING-SPRING-L	1
17	620-0488-01	S-L-LINK PLATE	1	36	746-0877-02	WASHER	2
18	620-0489-02	MOTOR PLATE	1	37	746-0762-00	WASHER	1
19	802-4904-60	VINYL-COAT-WIRE(RED)	1	38	746-0712-03	WASHER	1
				39	743-1500-10	E-RING	3



NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
40	621-0258-03	LOADING ROLLER	2	46	716-1468-00	SCREW(M2X2.5)	2
41	716-1742-00	SCREW(M2X5)	1	47	622-1219-01	SHIFT ROLLER	1
42	716-1704-00	SCREW(M2X7)	1	48	714-2603-81	SCREW(M2.6X3)	5
43	716-1677-00	SCREW(M2X5)	1	49	966-0308-11	CHASSIS ASSY	1
44	716-1507-00	SCREW(M2X3)	2	50	714-2003-81	SCREW(M2X3)	8
45	622-1072-05	ROLLER SHAFT	1	51	716-1670-00	SCREW(M2X4)	4

Drive unit section



NO.	PART NO.	DESCRIPTION	Q'TY
1	SMA-151-100	MOTOR ASSY(SPINDLE)	1
2	750-3098-00	L-LINK SPRING	1
3	716-1468-00	SCREW(M2×2.5)	2
4	716-2003-81	SCREW(M2×3)	10
5	SMA-146-100	MOTOR ASSY(SLED)	1
6	969-0008-00	PICK UP UNIT	1
7	HBS-432-100	LS-GEAR ASSY	1
8	966-0447-07	DR-PLATE-ASSY	1
9	966-0449-04	CLAMP-LINK-ASSY	1
10	621-0205-02	CLAMPER RING	1
11	621-0251-03	LOCK LINK	1
12	620-0198-03	CLAMPER PLATE	1
13	966-0314-01	STOP LINK-ASSY	1
14	966-0448-01	SIDE PLATE-ASSY	1
15	621-0252-03	DISC STOPPER	1
16	620-0491-03	SPRING PLATE	1
17	966-0454-00	SCREW H-RACK-ASSY	1
18	621-0358-02	LS-HOLDER-F	1
19	013-7100-00	SWITCH(LIMIT)	1
20	621-0357-03	PICK UP GUIDE	1
21	621-0253-02	MOTOR HOLDER	1
22	621-0255-02	SECOND GEAR	1
23	622-1073-02	CLAMPER ROLLER	1
24	621-0359-02	LS-HOLDER-R	1
25	621-0375-00	SH-BASE	1
26	716-0675-00	SCREW(M2×5.5)	2
27	716-1555-00	WAVE SCREW(Φ2×8)	1
28	732-2004-11	SEMS SCREW(M2×4)	2
29	739-1735-17	PRECISION SCREW (M1.7×3.5)	2
30	620-0690-01	RATTLE PLATE	1
31	746-0761-00	WASHER	2
32	716-1733-00	SCREW(M1.7×2.3)	2
33	750-3099-00	ES-SPRING	1
34	750-3097-03	CLAMPER SPRING	1
35	816-2373-00	LEAD WIRE(WHT)	1
36	816-2372-00	LEAD WIRE(BLU)	1
37	039-1732-01	CD PWB (WITHOUT COMPONENT)	1
38	001-0563-00	LED	3
39	716-1670-00	SCREW(M2×4)	2
40	750-3202-00	CENTER SPRING-B	1
41	750-3096-01	DR-SPRING R	1
42	750-3164-00	DR-SPRING LR	1
43	750-3188-00	DR-SPRING F-B	1
44	750-3201-00	DR-SPRING F-R	1
45	039-1587-00	FPC (WITHOUT COMPONENT)	1

ELECTRICAL PARTS LIST

Main PWB section(B1)

Note) Several different parts of the same reference number are alternative parts.
One of those parts is used in the set.

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
BL1	880-2087E	FM/MW/LW	C404	178-1042-78	0.1 μ F	C523	043-0264-13	0.01 μ F
C1	178-2232-78	0.022 μ F	C405	042-0416-02	10V10 μ F	C524	043-0264-13	0.01 μ F
C2	042-0592-66	35V 4.7 μ F	C406	042-0416-02	10V10 μ F	C525	043-0264-13	0.01 μ F
C4	042-0592-73	50V1 μ F	C407	042-0416-02	10V10 μ F	C526	042-0592-58	16V10 μ F
C5	178-2232-78	0.022 μ F	C408	178-1042-78	0.1 μ F	C527	042-0592-58	16V10 μ F
C6	178-2232-78	0.022 μ F	C409	178-1042-78	0.1 μ F	C528	042-0592-58	16V10 μ F
C7	183-4763-31	16V47 μ F	C410	042-0423-00	10V3.3 μ F	C529	042-0592-58	16V10 μ F
C8	178-2232-78	0.022 μ F	C411	178-1042-78	0.1 μ F	C601	178-1042-78	0.1 μ F
C9	178-2232-78	0.022 μ F	C412	178-1032-78	0.01 μ F	C602	178-1042-78	0.1 μ F
C10	178-6822-78	6800pF	C413	178-4742-78	0.47 μ F	C603	178-1042-78	0.1 μ F
C11	183-1073-21	10V100 μ F	C414	042-0423-00	10V3.3 μ F	C604	178-1042-78	0.1 μ F
C12	183-4763-31	16V47 μ F	C416	178-1042-78	0.1 μ F	C605	178-1042-78	0.1 μ F
C16	178-1042-78	0.1 μ F	C417	042-0416-02	10V10 μ F	C606	178-4732-78	0.047 μ F
C17	178-1222-78	1200pF	C418	178-1032-78	0.1 μ F	C612	178-1032-78	0.01 μ F
C18	042-0592-73	50V1 μ F	C419	178-1042-78	0.1 μ F	C613	042-0576-00	5.5V0.1F
C19	178-8222-78	8200pF	C420	042-0416-02	10V10 μ F	C614	178-1032-78	0.01 μ F
C20	163-4763-10	6.3V47 μ F	C423	178-1042-78	0.1 μ F	C615	042-0577-00	6.3V100 μ F
C21	178-2232-78	0.022 μ F	C424	178-1042-78	0.1 μ F	C616	042-0592-58	16V10 μ F
C22	176-1011-00	100pF CH	C427	178-1042-78	0.1 μ F	C617	178-1022-78	1000pF
C23	176-1011-00	100pF CH	C428	178-1042-78	0.1 μ F	C619	178-4732-78	0.047 μ F
C24	176-3311-00	330pF CH	C430	176-1011-00	100pF CH	C620	178-2242-78	0.22 μ F
C25	176-1501-00	15pF CH	C431	042-0416-02	10V10 μ F	C621	042-0505-81	10V22 μ F
C26	176-1801-00	18pF CH	C434	178-1042-78	0.1 μ F	C622	176-1011-00	100pF CH
C28	178-2232-78	0.022 μ F	C435	178-1042-78	0.1 μ F	C623	176-2201-00	22pF CH
C29	178-2232-78	0.022 μ F	C436	042-0416-02	10V10 μ F	C624	176-2201-00	22pF CH
C55	176-1801-00	18pF CH	C437	176-1011-00	100pF CH	C625	176-1011-00	100pF CH
C66	176-1801-00	18pF CH	C438	178-1032-78	0.01 μ F	C801	178-2232-78	0.022 μ F
C67	178-1032-78	0.01 μ F	C439	178-4742-78	0.47 μ F	C802	178-8212-78	820pF
C68	178-1022-78	1000pF	C440	178-1042-78	0.1 μ F	C803	178-6812-78	680pF
C201	042-0505-81	10V22 μ F	C450	042-0592-58	16V10 μ F	C804	178-1042-78	0.1 μ F
C202	178-1042-78	0.1 μ F	C451	042-0592-58	16V10 μ F	C805	178-2232-78	0.022 μ F
C203	042-0452-01	10V220 μ F	C452	042-0592-58	16V10 μ F	C806	178-1042-78	0.1 μ F
C204	176-2211-00	220pF CH	C453	042-0592-58	16V10 μ F	C807	042-0592-58	16V10 μ F
C205	178-1042-78	0.1 μ F	C454	042-0592-58	16V10 μ F	C808	176-3311-00	330pF CH
C206	042-0505-81	10V22 μ F	C455	042-0592-58	16V10 μ F	C809	176-5611-00	560pF CH
C207	178-2232-78	0.022 μ F	C456	042-0592-50	6.3V22 μ F	C810	176-2201-00	22pF CH
C208	042-0416-02	10V10 μ F	C457	042-0592-50	6.3V22 μ F	C811	176-2201-00	22pF CH
C209	184-4773-32	16V470 μ F	C458	042-0592-50	6.3V22 μ F	C812	163-4763-10	6.3V47 μ F
C210	042-0423-02	6.3V4.7 μ F	C459	042-0592-50	6.3V22 μ F	C813	178-1042-78	0.1 μ F
C211	183-2263-31	16V22 μ F	C460	042-0592-50	6.3V22 μ F	C814	176-1011-00	100pF CH
C212	178-4732-78	0.047 μ F	C461	042-0592-50	6.3V22 μ F	C815	176-1011-00	100pF CH
C213	183-2263-31	16V22 μ F	C462	176-2201-00	22pF CH	C901	178-1022-78	1000pF
C215	172-1041-11	0.1 μ F	C463	176-2201-00	22pF CH	CCT401	010-3042-04	BLA3216A601SG4
C216	183-1073-21	10V100 μ F	C464	176-2201-00	22pF CH	CCT402	010-3042-04	BLA3216A601SG4
C220	042-0505-81	10V22 μ F	C465	176-2201-00	22pF CH	CCT403	010-3042-04	BLA3216A601SG4
C221	042-0592-58	16V10 μ F	C466	176-2201-00	22pF CH	CCT404	010-3042-04	BLA3216A601SG4
C222	183-4763-31	16V47 μ F	C467	176-2201-00	22pF CH	CCT405	010-3042-04	BLA3216A601SG4
C223	178-2232-78	0.022 μ F	C468	178-1042-78	0.1 μ F	CCT406	010-3042-04	BLA3216A601SG4
C224	172-4731-11	0.047 μ F	C469	178-1032-78	0.01 μ F	D200	001-2606-90	M1FS4
C230	042-0505-00	25V1 μ F	C470	176-1511-00	150pF CH	D201	001-0188-01	1S1885A
C241	042-0592-58	16V10 μ F	C500	042-0592-58	16V10 μ F	D202	001-0503-46	HZS9B2L
C243	183-1073-21	10V100 μ F	C501	042-0592-58	16V10 μ F	D210	001-0516-00	MA111
C244	183-1073-12	6.3V100 μ F	C502	042-0592-58	16V10 μ F	D211	001-0516-00	MA111
C245	178-1042-78	0.1 μ F	C503	042-0592-58	16V10 μ F	D220	001-0503-33	HZS6 B2L
C301	042-0592-73	50V1 μ F	C504	042-0592-58	16V10 μ F	D221	001-0466-00	S5688B
C302	042-0592-73	50V1 μ F	C505	042-0592-58	16V10 μ F	D222	001-0466-00	S5688B
C303	176-1201-00	12pF CH	C506	042-0592-58	16V10 μ F	D223	001-0516-00	MA111
C304	176-1201-00	12pF CH	C507	042-0592-58	16V10 μ F	D225	001-0466-01	S5688G
C305	176-1201-00	12pF CH	C508	043-0264-13	0.01 μ F	D230	001-0377-48	MA4091H
C306	176-1201-00	12pF CH	C509	176-5611-00	560pF CH	D241	001-0503-46	HZS9B2L
C307	042-0592-58	16V10 μ F	C510	176-5611-00	560pF CH	D243	001-0466-00	S5688B
C308	042-0592-58	16V10 μ F	C511	043-0264-13	0.01 μ F	D402	001-0528-34	MA8062-L
C309	042-0592-58	16V10 μ F	C512	043-0264-13	0.01 μ F	D403	001-0528-34	MA8062-L
C310	042-0592-58	16V10 μ F	C513	176-5611-00	560pF CH	D501	001-0516-00	MA111
C311	042-0592-58	16V10 μ F	C514	176-5611-00	560pF CH	D502	001-0516-00	MA111
C312	042-0592-58	16V10 μ F	C515	043-0264-13	0.01 μ F	D503	001-0528-44	MA8082-M
C313	176-1201-00	12pF CH	C518	176-5611-00	560pF CH	D603	001-0516-00	MA111
C314	176-1201-00	12pF CH	C519	176-5611-00	560pF CH	D606	001-0516-00	MA111
C401	178-3322-78	3300pF	C520	176-5611-00	560pF CH	D610	001-0516-00	MA111
C402	178-3322-78	3300pF	C521	176-5611-00	560pF CH	D612	001-0516-00	MA111
C403	042-0416-02	10V10 μ F	C522	043-0264-13	0.01 μ F	D650	001-7011-04	CL-150HR-CD

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
D651	001-7011-04	CL-150HR-CD	L433	010-2285-56	BLM21B222S	R6	117-1021-10	1/10W 1kΩ
D652	001-7011-04	CL-150HR-CD	L434	010-2285-56	BLM21B222S	R7	117-5621-10	1/10W 5.6kΩ
D801	001-0516-00	MA111	L435	010-2285-56	BLM21B222S	R8	117-1031-10	1/10W 10kΩ
D802	001-0516-00	MA111	L436	010-2285-56	BLM21B222S	R10	117-2221-10	1/10W 2.2kΩ
D901	001-0516-00	MA111	L437	010-2285-56	BLM21B222S	R12	032-0104-73	1/4W 330Ω
D902	001-0516-00	MA111	L438	010-2285-08	BLM21A102FPB	R14	117-5631-10	1/10W 56kΩ
FIL401	060-3104-00	NFM41P11C204	L439	010-2285-08	BLM21A102FPB	R16	117-2221-10	1/10W 2.2kΩ
FIL404	060-3104-00	NFM41P11C204	L440	010-2285-56	BLM21B222S	R17	117-5631-10	1/10W 56kΩ
IC1	051-6201-00	LC72146M	L441	010-2285-56	BLM21B222S	R18	117-1031-10	1/10W 10kΩ
IC200	051-3605-00	NJM2360AM	L442	010-2285-56	BLM21B222S	R19	117-1031-10	1/10W 10kΩ
IC220	051-3201-00	AN77L06	L602	010-2199-66	2.2 μH J	R20	117-1231-10	1/10W 12kΩ
IC230	051-1014-05	TA7291F	L603	010-2199-66	2.2 μH J	R21	117-1021-10	1/10W 1kΩ
IC301	051-1811-00	BA3129F	L604	010-2199-66	2.2 μH J	R23	117-2711-10	1/10W 270Ω
IC401	051-6350-00	AK7716VT	L605	010-2198-56	2.2 μH	R24	117-1521-10	1/10W 1.5kΩ
IC402	051-9109-00	TC55257DFTI-70L	L606	010-2198-56	2.2 μH	R25	117-1521-10	1/10W 1.5kΩ
IC403	051-0857-05	TC74HC00AF	L607	010-2198-56	2.2 μH	R26	117-1031-10	1/10W 10kΩ
IC404	051-6327-08	LC89051VD	L608	010-2285-56	BLM21B222S	R27	117-1021-10	1/10W 1kΩ
IC405	051-7100-08	TC4W66F-TE12L	L801	010-2199-40	220 μH J	R28	117-1021-10	1/10W 1kΩ
IC406	051-6620-08	TC9246F	L901	010-2174-16	22 μH	R29	117-8211-10	1/10W 820Ω
IC450	051-3026-90	NJM4580V	L902	010-2285-56	BLM21B222S	R30	117-1041-10	1/10W 100kΩ
IC451	051-3026-90	NJM4580V	P901	075-0305-01	OPT-DIGITAL	R31	117-1031-10	1/10W 10kΩ
IC452	051-3026-90	NJM4580V	Q3	103-1306-00	2SD1306	R200	032-0104-58	1/4W 390Ω
IC501	051-5818-00	BA3834F	Q4	125-0002-03	RN2403	R201	117-2721-10	1/10W 2.7kΩ
IC502	051-6600-38	CA0008AM	Q6	100-1162-00	2SA1162	R202	117-1531-10	1/10W 15kΩ
IC504	052-3362-01	M30624MGA-D55GP	Q7	100-1162-00	2SA1162	R203	117-2291-10	1/10W 2.2Ω
IC505	051-5407-18	S-80721SN-DJ-T1	Q8	125-2004-03	RN1403	R204	117-2291-10	1/10W 2.2Ω
IC506	051-0869-55	NJM2103M	Q9	108-0669-00	2SK669	R207	117-1011-10	1/10W 100Ω
IC507	051-3026-90	NJM4580V	Q201	108-0241-50	2SK241Y.GR	R210	117-1031-10	1/10W 10kΩ
IC508	051-3026-90	NJM4580V	Q202	103-2353-00	2SD2353	R211	117-4731-10	1/10W 47kΩ
IC509	051-5017-00	TC9482F	Q210	100-1298-00	2SA1298	R212	117-1531-10	1/10W 15kΩ
IC801	051-0350-55	NJM4558M	Q211	125-2004-06	RN1406	R213	117-1031-10	1/10W 10kΩ
IC802	051-5823-00	LC72723M	Q212	100-1162-00	2SA1162	R214	117-4731-10	1/10W 47kΩ
J601	074-1194-00	13P CE-NET	Q213	102-2712-00	2SC2712	R215	117-4721-10	1/10W 4.7kΩ
J602	074-1049-14	14P	Q220	102-3668-25	2SC3668-Y	R217	117-1031-10	1/10W 10kΩ
J605	074-1048-00	6P	Q221	108-0241-50	2SK241Y.GR	R218	117-1021-10	1/10W 1kΩ
J901	074-0986-26	26P	Q222	100-1298-00	2SA1298	R220	117-1031-10	1/10W 10kΩ
J904	074-1023-08		Q223	125-2004-03	RN1403	R221	117-3921-10	1/10W 3.9kΩ
L1	010-2199-40	220 μH J	Q224	101-1018-30	2SB1018A	R222	117-1801-10	1/10W 18Ω
L2	010-2199-71	5.6 μH J	Q225	100-1162-00	2SA1162	R223	117-1031-10	1/10W 10kΩ
L52	010-4007-00	30 μH	Q226	102-2712-00	2SC2712	R224	032-0104-63	1/4W 1.5Ω
L200	010-6003-03	270 μH	Q227	100-1416-00	2SA1416	R225	032-0104-63	1/4W 1.5Ω
L201	010-2199-78	22 μH J	Q228	125-2004-03	RN1403	R226	117-4731-10	1/10W 47kΩ
L202	010-2199-78	22 μH J	Q230	103-1802-60	2SD1802FA-R.S.T	R227	117-3321-10	1/10W 3.3kΩ
L203	010-2285-56	BLM21B222S	Q231	100-1298-00	2SA1298	R228	117-3321-10	1/10W 3.3kΩ
L401	010-2285-56	BLM21B222S	Q232	125-2004-03	RN1403	R229	032-0104-63	1/4W 1.5Ω
L402	010-2285-56	BLM21B222S	Q233	125-0002-02	RN2402	R230	117-1031-10	1/10W 10kΩ
L403	010-2285-56	BLM21B222S	Q234	125-2004-03	RN1403	R231	032-0104-52	1/4W 12Ω
L404	010-2285-56	BLM21B222S	Q238	100-1298-00	2SA1298	R232	032-0104-52	1/4W 12Ω
L405	010-2285-56	BLM21B222S	Q239	125-2004-03	RN1403	R233	032-0104-60	1/4W 220Ω
L406	010-2285-08	BLM21A102FPB	Q241	103-2012-00	2SD2012	R234	117-1031-10	1/10W 10kΩ
L408	010-2285-08	BLM21A102FPB	Q243	100-1298-00	2SA1298	R235	117-4711-10	1/10W 470Ω
L410	010-2285-08	BLM21A102FPB	Q244	125-0002-02	RN2402	R237	117-1031-10	1/10W 10kΩ
L411	010-2285-08	BLM21A102FPB	Q245	125-2004-06	RN1406	R238	117-3321-10	1/10W 3.3kΩ
L412	010-2285-08	BLM21A102FPB	Q247	125-2004-03	RN1403	R240	032-0104-73	1/4W 330Ω
L413	010-2285-08	BLM21A102FPB	Q401	125-2004-03	RN1403	R242	032-0104-73	1/4W 330Ω
L414	010-2285-08	BLM21A102FPB	Q450	103-1306-00	2SD1306	R243	117-1031-10	1/10W 10kΩ
L415	010-2285-56	BLM21B222S	Q451	103-1306-00	2SD1306	R245	117-1031-10	1/10W 10kΩ
L416	010-2285-56	BLM21B222S	Q452	103-1306-00	2SD1306	R246	032-0104-63	1/4W 1.5Ω
L417	010-2285-56	BLM21B222S	Q453	103-1306-00	2SD1306	R247	117-2231-10	1/10W 22kΩ
L418	010-2285-56	BLM21B222S	Q454	103-1306-00	2SD1306	R248	117-1031-10	1/10W 10kΩ
L419	010-2285-56	BLM21B222S	Q455	103-1306-00	2SD1306	R249	032-0104-67	1/4W 1.2kΩ
L420	010-2285-56	BLM21B222S	Q501	125-2004-06	RN1406	R252	032-0104-69	1/4W 1.5kΩ
L421	010-2285-08	BLM21A102FPB	Q502	125-0002-06	RN2406	R253	117-4711-10	1/10W 470Ω
L422	010-2285-08	BLM21A102FPB	Q503	102-2712-00	2SC2712	R301	117-1031-10	1/10W 10kΩ
L423	010-2285-08	BLM21A102FPB	Q602	125-2004-03	RN1403	R302	117-1031-10	1/10W 10kΩ
L424	010-2285-08	BLM21A102FPB	Q603	100-1162-00	2SA1162	R303	117-3331-10	1/10W 33kΩ
L425	010-2285-08	BLM21A102FPB	Q604	125-2004-02	RN1402	R304	117-3331-10	1/10W 33kΩ
L426	010-2285-08	BLM21A102FPB	Q608	125-2004-03	RN1403	R305	032-0092-03	1/10W 1.5kΩ±1%
L427	010-2285-08	BLM21A102FPB	Q609	125-2004-03	RN1403	R306	032-0092-03	1/10W 1.5kΩ±1%
L428	010-2285-56	BLM21B222S	Q617	125-2004-03	RN1403	R307	117-4731-10	1/10W 47kΩ
L429	010-2285-56	BLM21B222S	Q801	125-2004-02	RN1402	R308	032-0092-03	1/10W 1.5kΩ±1%
L430	010-2285-56	BLM21B222S	R1	117-1021-10	1/10W 1kΩ	R309	032-0092-03	1/10W 1.5kΩ±1%
L431	010-2285-56	BLM21B222S	R3	117-3311-10	1/10W 330Ω	R310	032-0092-09	1/10W 47kΩ±1%
L432	010-2285-56	BLM21B222S	R5	117-3331-10	1/10W 33kΩ	R311	032-0092-09	1/10W 47kΩ±1%

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R312	032-0092-09	1/10W 47k Ω \pm 1%	R465	117-6831-10	1/10W 68k Ω	R552	117-2221-10	1/10W 2.2k Ω
R313	032-0092-09	1/10W 47k Ω \pm 1%	R466	032-0092-90	1/10W 10k Ω \pm 1%	R553	117-2221-10	1/10W 2.2k Ω
R314	117-4731-10	1/10W 47k Ω	R467	032-0092-90	1/10W 10k Ω \pm 1%	R601	117-2231-10	1/10W 22k Ω
R401	117-1041-10	1/10W 100k Ω	R468	117-2231-10	1/10W 22k Ω	R603	032-0104-64	1/4W 68 Ω
R402	117-3311-10	1/10W 330 Ω	R469	117-2231-10	1/10W 22k Ω	R604	117-3321-10	1/10W 3.3k Ω
R403	117-1041-10	1/10W 100k Ω	R470	117-2231-10	1/10W 22k Ω	R605	117-3321-10	1/10W 3.3k Ω
R404	117-3311-10	1/10W 330 Ω	R471	117-2231-10	1/10W 22k Ω	R606	117-1041-10	1/10W 100k Ω
R405	117-4721-10	1/10W 4.7k Ω	R472	117-2231-10	1/10W 22k Ω	R607	117-2231-10	1/10W 22k Ω
R406	117-4721-10	1/10W 4.7k Ω	R473	117-2231-10	1/10W 22k Ω	R608	117-1031-10	1/10W 10k Ω
R415	117-3341-10	1/10W 330k Ω	R474	117-3311-10	1/10W 330 Ω	R609	117-4731-10	1/10W 47k Ω
R417	117-7501-10	1/10W 75 Ω	R475	117-3311-10	1/10W 330 Ω	R610	117-4721-10	1/10W 4.7k Ω
R419	117-2431-10	1/10W 24k Ω	R476	117-3311-10	1/10W 330 Ω	R619	117-3311-10	1/10W 330 Ω
R420	117-2421-15	1/10W 2.4k Ω	R477	117-3311-10	1/10W 330 Ω	R623	117-1521-10	1/10W 1.5k Ω
R421	117-5121-10	1/10W 5.1k Ω	R478	117-3311-10	1/10W 330 Ω	R625	117-1041-10	1/10W 100k Ω
R422	117-1511-10	1/10W 150 Ω	R479	117-3311-10	1/10W 330 Ω	R626	117-1041-10	1/10W 100k Ω
R423	117-8231-10	1/10W 82k Ω	R480	117-1021-10	1/10W 1k Ω	R627	117-1041-10	1/10W 100k Ω
R424	117-2711-10	1/10W 270 Ω	R481	117-1021-10	1/10W 1k Ω	R628	117-4731-10	1/10W 47k Ω
R425	117-2221-10	1/10W 2.2k Ω	R482	117-1021-10	1/10W 1k Ω	R637	117-1241-10	1/10W 120k Ω
R426	117-2221-10	1/10W 2.2k Ω	R483	117-1511-10	1/10W 150 Ω	R638	117-4731-10	1/10W 47k Ω
R427	117-2221-10	1/10W 2.2k Ω	R484	117-1511-10	1/10W 150 Ω	R639	117-4721-10	1/10W 4.7k Ω
R428	117-1031-10	1/10W 10k Ω	R485	117-1511-10	1/10W 150 Ω	R640	117-4731-10	1/10W 47k Ω
R429	117-4731-10	1/10W 47k Ω	R486	117-1511-10	1/10W 150 Ω	R641	117-1831-10	1/10W 18k Ω
R430	117-2711-10	1/10W 270 Ω	R500	032-0092-90	1/10W 10k Ω \pm 1%	R642	117-1031-10	1/10W 10k Ω
R431	117-2711-10	1/10W 270 Ω	R501	032-0092-90	1/10W 10k Ω \pm 1%	R643	117-5621-10	1/10W 5.6k Ω
R432	117-2711-10	1/10W 270 Ω	R502	032-0092-90	1/10W 10k Ω \pm 1%	R644	117-1541-10	1/10W 150k Ω
R433	117-1511-10	1/10W 150 Ω	R503	032-0092-90	1/10W 10k Ω \pm 1%	R645	117-8221-10	1/10W 8.2k Ω
R434	117-3311-10	1/10W 330 Ω	R504	032-0092-90	1/10W 10k Ω \pm 1%	R646	117-4321-10	1/10W 4.3k Ω
R435	117-3311-10	1/10W 330 Ω	R505	032-0092-90	1/10W 10k Ω \pm 1%	R648	117-4731-10	1/10W 47k Ω
R436	117-1031-10	1/10W 10k Ω	R506	032-0092-90	1/10W 10k Ω \pm 1%	R658	117-4731-10	1/10W 47k Ω
R437	117-1011-10	1/10W 100 Ω	R507	032-0092-90	1/10W 10k Ω \pm 1%	R659	117-4731-10	1/10W 47k Ω
R438	117-1521-10	1/10W 1.5k Ω	R508	032-0092-90	1/10W 10k Ω \pm 1%	R660	117-4731-10	1/10W 47k Ω
R439	117-4711-10	1/10W 470 Ω	R509	032-0092-90	1/10W 10k Ω \pm 1%	R661	117-4731-10	1/10W 47k Ω
R440	117-1011-10	1/10W 100 Ω	R510	032-0092-90	1/10W 10k Ω \pm 1%	R662	117-4731-10	1/10W 47k Ω
R441	117-8211-10	1/10W 820 Ω	R511	032-0092-90	1/10W 10k Ω \pm 1%	R674	117-1521-10	1/10W 1.5k Ω
R442	117-8211-10	1/10W 820 Ω	R513	032-0092-80	1/10W 330 Ω \pm 1%	R675	117-1521-10	1/10W 1.5k Ω
R443	117-8211-10	1/10W 820 Ω	R514	032-0092-80	1/10W 330 Ω \pm 1%	R677	117-1031-10	1/10W 10k Ω
R444	117-8211-10	1/10W 820 Ω	R515	032-0092-80	1/10W 330 Ω \pm 1%	R678	117-1031-10	1/10W 10k Ω
R445	117-8211-10	1/10W 820 Ω	R516	032-0092-80	1/10W 330 Ω \pm 1%	R680	117-1021-10	1/10W 1k Ω
R446	117-8211-10	1/10W 820 Ω	R517	032-0092-80	1/10W 330 Ω \pm 1%	R689	117-2221-10	1/10W 2.2k Ω
R447	117-4731-10	1/10W 47k Ω	R518	032-0092-80	1/10W 330 Ω \pm 1%	R801	117-3331-10	1/10W 33k Ω
R450	117-1041-10	1/10W 100k Ω	R519	032-0092-90	1/10W 10k Ω \pm 1%	R802	117-1031-10	1/10W 10k Ω
R451	117-1041-10	1/10W 100k Ω	R520	032-0092-80	1/10W 330 Ω \pm 1%	R803	117-1041-10	1/10W 100k Ω
R452	117-1041-10	1/10W 100k Ω	R521	032-0092-90	1/10W 10k Ω \pm 1%	R804	117-2211-10	1/10W 220 Ω
R453	117-1041-10	1/10W 100k Ω	R522	032-0092-80	1/10W 330 Ω \pm 1%	R805	117-1231-10	1/10W 12k Ω
R454	117-1041-10	1/10W 100k Ω	R523	032-0092-90	1/10W 10k Ω \pm 1%	R806	117-3321-10	1/10W 3.3k Ω
R455	117-1041-10	1/10W 100k Ω	R524	032-0092-90	1/10W 10k Ω \pm 1%	R901	117-8211-10	1/10W 820 Ω
R456	117-1231-10	1/10W 12k Ω	R537	117-8221-10	1/10W 8.2k Ω	R902	117-0000-00	1/10W 0 Ω JW
R457	032-0092-90	1/10W 10k Ω \pm 1%	R538	117-1021-10	1/10W 1k Ω	R903	117-0000-00	1/10W 0 Ω JW
R458	032-0092-90	1/10W 10k Ω \pm 1%	R539	117-1021-10	1/10W 1k Ω	SUP51	060-0122-20	DSP-141N-S00B
R459	117-1231-10	1/10W 12k Ω	R540	117-2231-10	1/10W 22k Ω	T200	009-9008-60	CHOKE
R460	032-0092-90	1/10W 10k Ω \pm 1%	R541	117-1041-10	1/10W 100k Ω	VR101	012-4855-14	470k
R461	032-0092-90	1/10W 10k Ω \pm 1%	R542	117-1041-10	1/10W 100k Ω	X1	061-1066-00	7.2MHz
R462	117-6831-10	1/10W 68k Ω	R543	117-1041-10	1/10W 100k Ω	X601	061-3504-90	CX-5F 10MHz
R463	032-0092-90	1/10W 10k Ω \pm 1%	R545	117-1041-10	1/10W 100k Ω	X801	061-3013-00	4.33MHz
R464	032-0092-90	1/10W 10k Ω \pm 1%	R551	117-2221-10	1/10W 2.2k Ω			

Switch PWB section(B2)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C702	178-1032-78	0.01 μ F	CCT701	050-0122-00	10k Ω \times 4 J	D706	001-0528-32	MA8056-M
C703	042-0416-02	10V10 μ F	CCT702	050-0122-03	1k Ω \times 4	D707	001-0528-32	MA8056-M
C704	178-1032-78	0.01 μ F	CCT703	050-0122-03	1k Ω \times 4	D708	001-0528-32	MA8056-M
C705	042-0416-02	10V10 μ F	CCT704	050-0122-00	10k Ω \times 4 J	D709	001-0528-32	MA8056-M
C706	176-1007-00	10pF CH	CCT705	010-3042-04	BLA3216A601SG4	D710	001-0528-32	MA8056-M
C707	178-1022-78	1000pF	CCT706	010-3042-04	BLA3216A601SG4	D711	001-0528-32	MA8056-M
C708	178-1022-78	1000pF	CCT707	010-3042-04	BLA3216A601SG4	D712	001-0528-32	MA8056-M
C709	178-1022-78	1000pF	CCT708	010-3042-04	BLA3216A601SG4	D713	001-0528-32	MA8056-M
C710	178-1022-78	1000pF	CCT709	010-3042-04	BLA3216A601SG4	D714	001-0528-32	MA8056-M
C711	178-1022-78	1000pF	CCT710	010-3042-04	BLA3216A601SG4	D715	001-0528-32	MA8056-M
C712	178-1022-78	1000pF	CCT711	010-3042-04	BLA3216A601SG4	D716	001-0528-32	MA8056-M
C713	178-1022-78	1000pF	D702	001-0516-00	MA111	D717	001-0528-32	MA8056-M
C714	178-1022-78	1000pF	D703	001-0525-00	IMN10	D718	001-0528-32	MA8056-M
C715	178-1022-78	1000pF	D704	001-0525-00	IMN10	D719	001-0528-32	MA8056-M

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
D722	001-0516-00	MA111	L705	010-2285-12	BLM11A601SPB	R704	117-6811-10	1/10W 680Ω
D723	001-0516-00	MA111	L706	010-2285-12	BLM11A601SPB	R705	117-6811-10	1/10W 680Ω
D724	001-0528-32	MA8056-M	L707	010-2285-12	BLM11A601SPB	R706	117-1021-10	1/10W 1kΩ
IC701	052-7048-01	M30620MCA-E12GP	L708	010-2285-12	BLM11A601SPB	R707	117-4731-10	1/10W 47kΩ
IC702	052-7047-10	LC374500STS-L20	Q701	101-1123-49	2SB1123R,S	R708	117-2231-10	1/10W 22kΩ
IC703	051-0350-54	NJM2904M	Q702	102-2712-00	2SC2712	R709	117-1031-10	1/10W 10kΩ
IC704	051-1139-06	TC74HC123AF	Q703	125-0013-07	RN2427	R711	117-1011-10	1/10W 100Ω
J701	076-0616-00	16P	Q704	102-2712-00	2SC2712	R715	117-1041-10	1/10W 100kΩ
J702	074-1201-19	19P	Q706	125-2017-07	RN1427	R716	117-1041-10	1/10W 100kΩ
J703	074-1138-09	9P	Q707	125-2017-07	RN1427	R717	117-1021-10	1/10W 1kΩ
J704	074-1189-00	50P	Q709	125-0013-07	RN2427	R718	117-1031-10	1/10W 10kΩ
L701	010-2285-12	BLM11A601SPB	Q710	102-2712-51	2SC2712GRBL	R719	117-1021-10	1/10W 1kΩ
L702	010-2285-12	BLM11A601SPB	R701	117-1031-10	1/10W 10kΩ	R720	117-4721-10	1/10W 4.7kΩ
L703	010-2285-12	BLM11A601SPB	R702	117-2711-10	1/10W 270Ω	X701	060-1505-50	10MHz
L704	010-2285-12	BLM11A601SPB	R703	117-2711-10	1/10W 270Ω			

Switch sub PWB section(B3)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C750	178-1032-78	0.01 μF	R758	117-1221-10	1/10W 1.2kΩ	S707	013-6512-00	LS9J2M-2D/FG
D750	001-7043-00	CL-170FG-CD	R759	117-1221-10	1/10W 1.2kΩ	S708	013-6512-00	LS9J2M-2D/FG
D751	001-7043-00	CL-170FG-CD	R760	117-1221-10	1/10W 1.2kΩ	S709	013-6512-00	LS9J2M-2D/FG
D752	001-7043-02	CL-170D	R761	117-1221-10	1/10W 1.2kΩ	S710	013-6507-50	LS8J2M-T
D753	001-7043-02	CL-170D	R762	117-1221-10	1/10W 1.2kΩ	S711	013-6512-00	LS9J2M-2D/FG
D754	001-7040-00	NSCB100	R763	117-1221-10	1/10W 1.2kΩ	S712	013-6512-00	LS9J2M-2D/FG
IR701	060-4008-00	RS171	R764	117-1221-10	1/10W 1.2kΩ	S713	013-6513-00	LS9J2M-1UR
Q750	060-4011-80	CPT-182S-C	R765	117-1221-10	1/10W 1.2kΩ	S714	013-6512-00	LS9J2M-2D/FG
R750	117-1221-10	1/10W 1.2kΩ	R768	117-1041-10	1/10W 100kΩ	S715	013-6513-00	LS9J2M-1UR
R751	117-1221-10	1/10W 1.2kΩ	R769	117-3921-10	1/10W 3.9kΩ	S716	013-6513-00	LS9J2M-1UR
R752	117-1221-10	1/10W 1.2kΩ	S701	013-6512-00	LS9J2M-2D/FG	S717	013-6510-00	LS9J2M-1FG
R753	117-1221-10	1/10W 1.2kΩ	S702	013-6512-00	LS9J2M-2D/FG	S718	013-6513-00	LS9J2M-1UR
R754	117-1221-10	1/10W 1.2kΩ	S703	013-6512-00	LS9J2M-2D/FG	S719	013-6513-00	LS9J2M-1UR
R755	117-1221-10	1/10W 1.2kΩ	S704	013-6512-00	LS9J2M-2D/FG	S720	013-6513-00	LS9J2M-1UR
R756	117-1521-10	1/10W 1.5kΩ	S705	013-6512-00	LS9J2M-2D/FG	S721	013-6512-00	LS9J2M-2D/FG
R757	117-1521-10	1/10W 1.5kΩ	S706	013-6512-00	LS9J2M-2D/FG	S722	013-6507-50	LS8J2M-T

Motor PWB section(B4)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1	176-2221-00	2200pFCH	S1	013-3879-01	SPPB12	S2	013-3879-01	SPPB12
C2	176-2221-00	2200pFCH						

CD mechanism/CD PWB section(B5)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1	163-1073-10	6.3V100 μF	C28	178-4732-78	0.047 μF	D4	001-0516-00	MA111
C3	178-1042-78	0.1 μF	C29	178-4732-78	0.047 μF	IC1	051-5704-00	TA2096F N
C4	178-2222-78	2200pF	C30	178-4732-78	0.047 μF	IC2	051-6342-00	TC9452F
C5	178-1042-78	0.1 μF	C31	178-4732-78	0.047 μF	IC3	051-6045-08	BA5934F P
C6	178-1042-78	0.1 μF	C32	163-4763-05	4V47 μF	J1	074-1138-66	16P
C7	178-1042-78	0.1 μF	C33	163-4763-05	4V47 μF	J2	074-1138-06	6P
C8	176-1501-00	15pF CH	C34	176-1801-00	18pF CH	L1	010-2155-93	10 μH
C9	176-1501-00	15pF CH	C35	176-6097-00	6pF CH	L3	010-2199-74	10 μH J
C10	176-1201-00	12pF CH	C36	176-6801-00	68pF CH	Q1	101-1188-50	2SB1188 PQR
C11	178-1042-78	0.1 μF	C37	176-2201-00	22pF CH	R1	117-2211-10	1/10W 220Ω
C13	178-1042-78	0.1 μF	C38	178-1042-78	0.1 μF	R2	117-2211-10	1/10W 220Ω
C14	178-1042-78	0.1 μF	C39	163-4763-05	4V47 μF	R3	117-5611-10	1/10W 560Ω
C15	178-1042-78	0.1 μF	C44	178-2242-78	0.22 μF	R4	117-5611-10	1/10W 560Ω
C16	178-1042-78	0.1 μF	C45	178-2242-78	0.22 μF	R5	117-4711-10	1/10W 470Ω
C17	163-1073-31	16V100 μF	C46	163-4763-10	6.3V47 μF	R6	117-3311-10	1/10W 330Ω
C18	176-4701-00	47pF CH	C47	178-8222-78	8200pF	R7	117-4721-10	1/10W 4.7kΩ
C19	178-1532-78	0.015 μF	C48	178-1042-78	0.1 μF	R8	117-1041-10	1/10W 100kΩ
C20	178-1032-78	0.01 μF	C50	163-1073-10	6.3V100 μF	R9	117-1031-10	1/10W 10kΩ
C21	178-2722-78	2700pF	C51	178-1042-78	0.1 μF	R10	117-4731-10	1/10W 47kΩ
C22	178-4722-78	4700pF	C52	178-2232-78	0.022 μF	R12	117-4741-10	1/10W 470kΩ
C23	178-1042-78	0.1 μF	C54	176-2201-00	22pF CH	R13	117-3331-10	1/10W 33kΩ
C24	178-1042-78	0.1 μF	C61	178-1042-78	0.1 μF	R14	117-3321-10	1/10W 3.3kΩ
C25	178-1042-78	0.1 μF	C63	178-1042-78	0.1 μF	R15	117-1031-10	1/10W 10kΩ
C26	178-4712-78	470pF	C64	178-1042-78	0.1 μF	R16	117-3321-10	1/10W 3.3kΩ
C27	178-4712-78	470pF	C65	178-1042-78	0.1 μF	R17	117-3321-10	1/10W 3.3kΩ

REF No.	PART No.	DESCRIPTION
R18	117-3321-10	1/10W 3.3kΩ
R19	117-3321-10	1/10W 3.3kΩ
R20	117-3321-10	1/10W 3.3kΩ
R21	117-2221-10	1/10W 2.2kΩ
R22	117-8211-10	1/10W 820Ω
R23	117-9131-10	1/10W 91kΩ
R24	117-1041-10	1/10W 100kΩ
R25	117-1041-10	1/10W 100kΩ

REF No.	PART No.	DESCRIPTION
R26	117-1841-10	1/10W 180kΩ
R27	117-1841-10	1/10W 180kΩ
R28	117-2211-10	1/10W 220Ω
R29	117-2201-10	1/10W 22Ω
R30	117-1041-10	1/10W 100kΩ
R31	117-1041-10	1/10W 100kΩ
R32	117-1041-10	1/10W 100kΩ
R33	117-1041-10	1/10W 100kΩ

REF No.	PART No.	DESCRIPTION
R34	117-1041-10	1/10W 100kΩ
R35	117-2241-10	1/10W 220kΩ
R36	117-1041-10	1/10W 100kΩ
R37	117-1041-10	1/10W 100kΩ
R38	117-8231-10	1/10W 82kΩ
R39	117-1841-10	1/10W 180kΩ
X1	061-3500-90	16.920MHz

Sensor PWB section(B6)

REF No.	PART No.	DESCRIPTION
Q101	060-0252-01	PT4850F

REF No.	PART No.	DESCRIPTION
Q102	060-0252-01	PT4850F

REF No.	PART No.	DESCRIPTION
Q103	060-0252-01	PT4850F

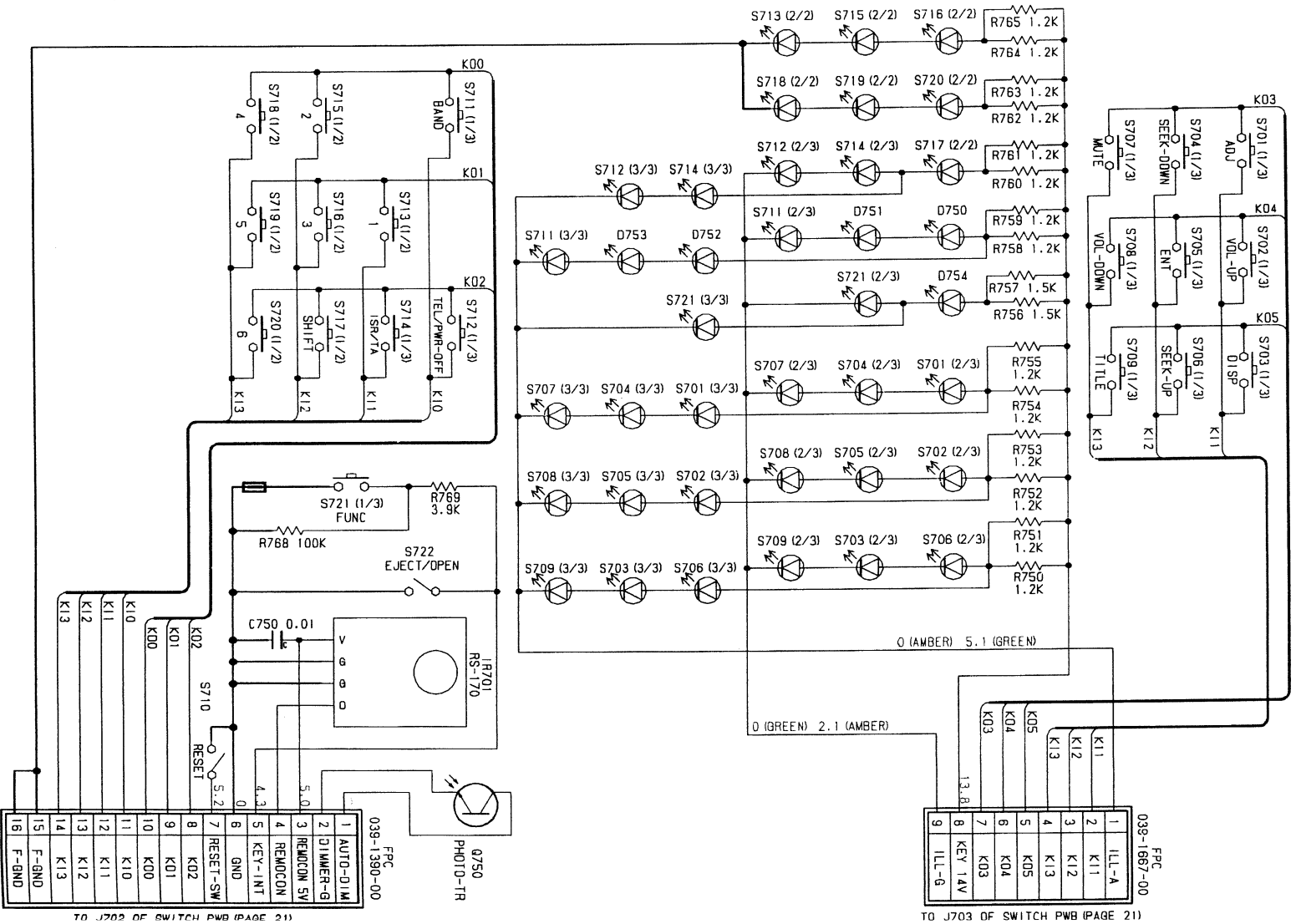
Chuckling SW PWB section(B7)

REF No.	PART No.	DESCRIPTION
S2	013-3879-01	SPPB12

Limit SW PWB(Motor assy/SMA-151-100) section(B8)

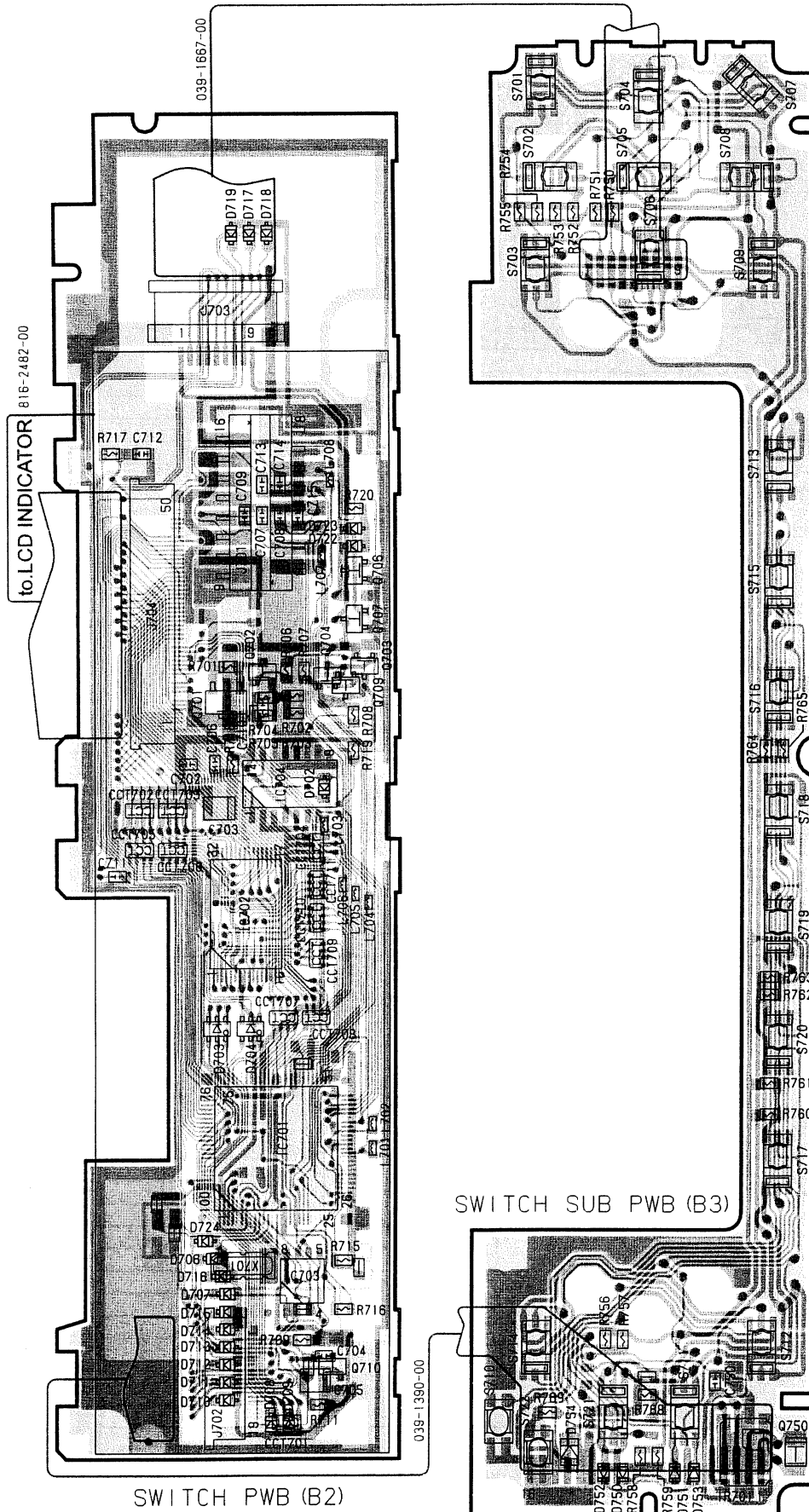
REF No.	PART No.	DESCRIPTION
S1	013-7100-00	SPPB11

■ CIRCUIT DIAGRAM Switch sub PWB(B3) section



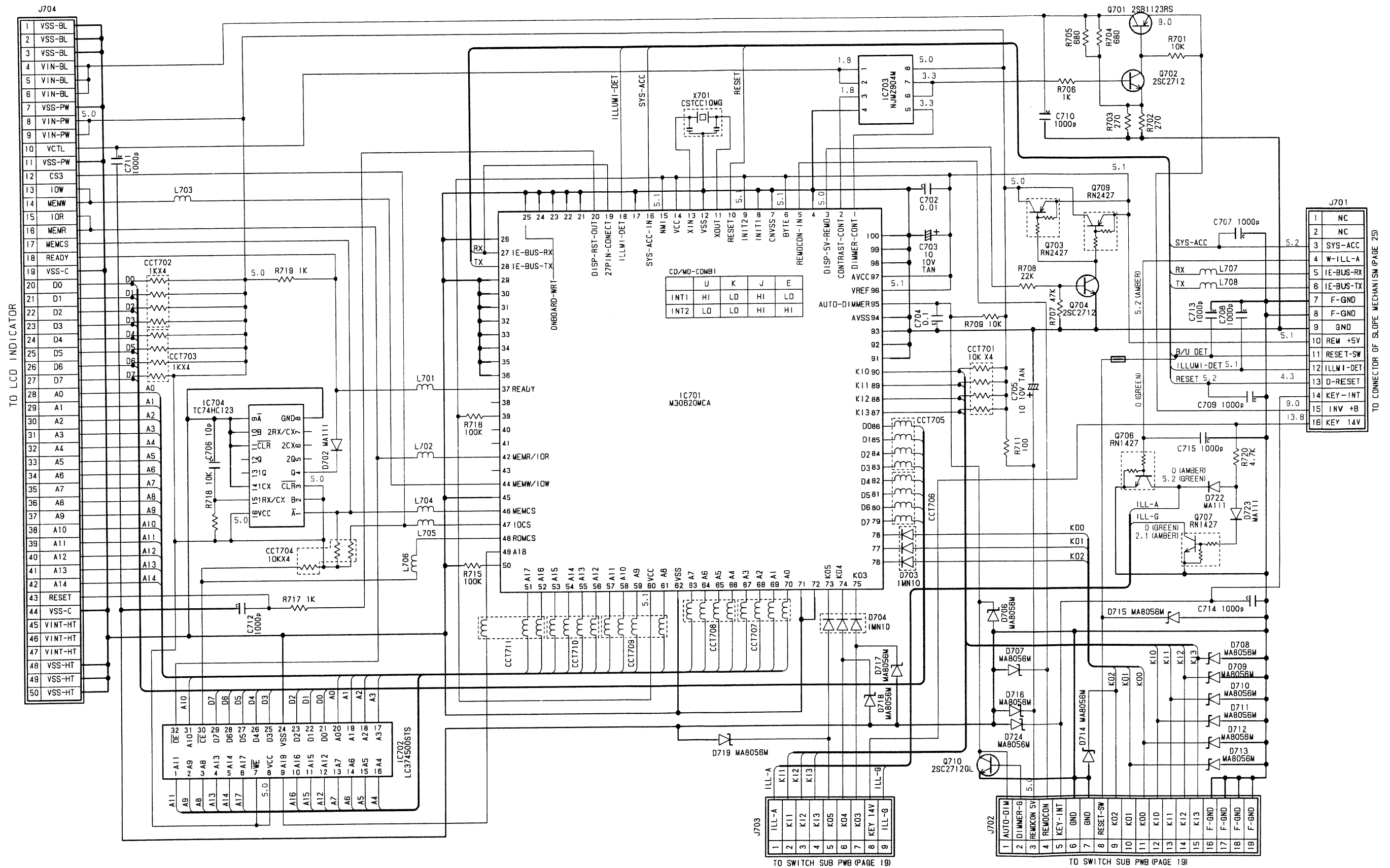
■ PRINTED WIRING BOARD

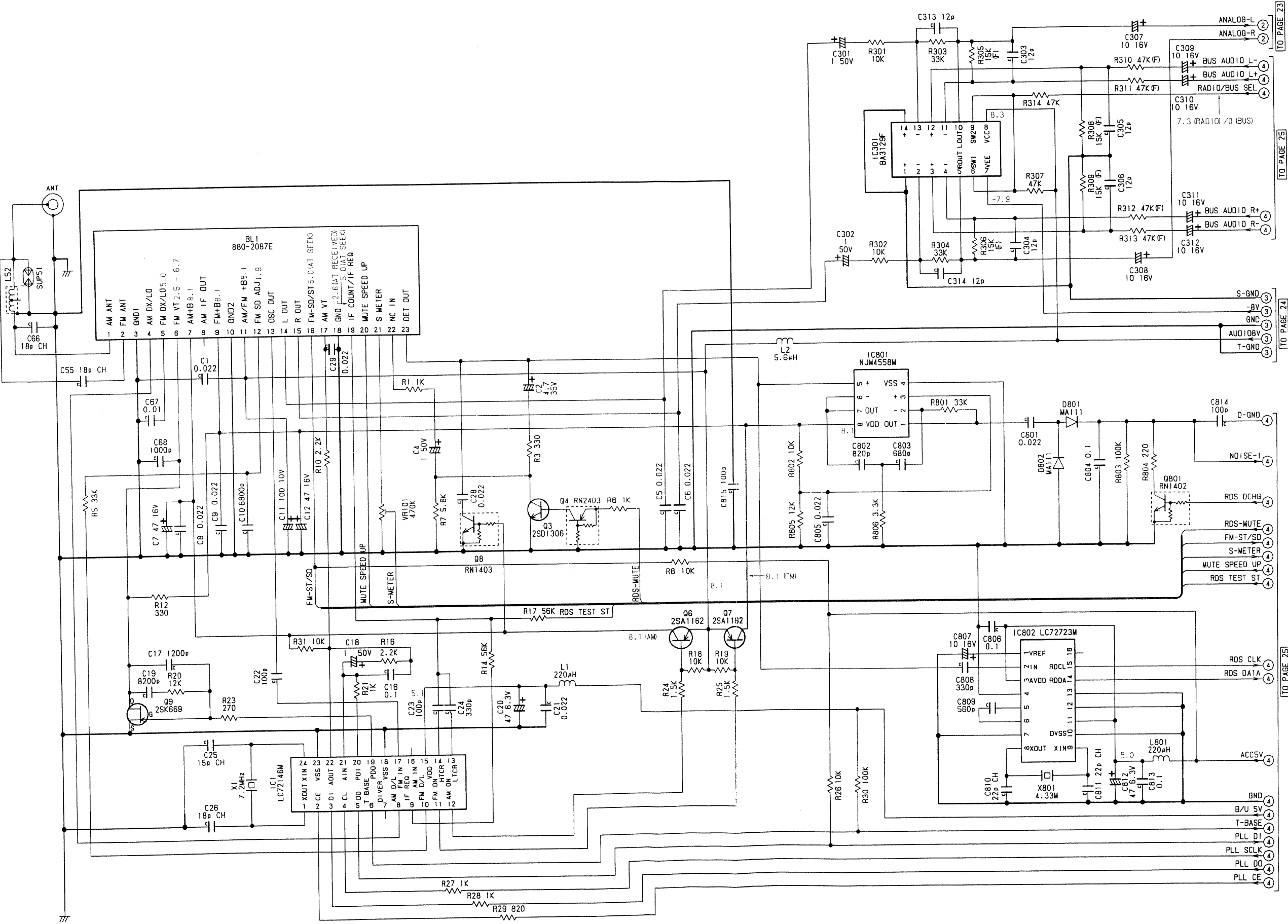
Switch PWB/Switch sub PWB section

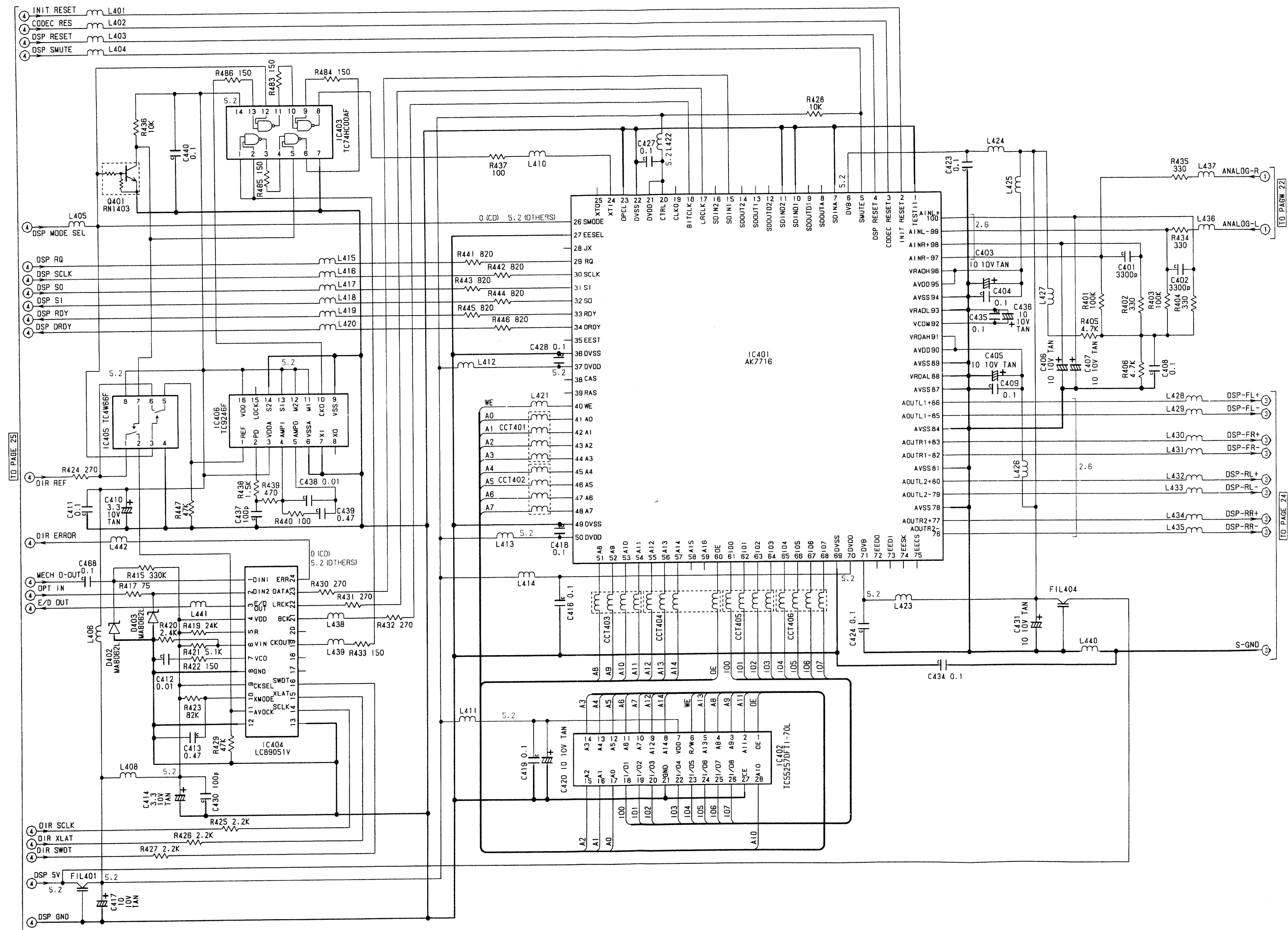


CIRCUIT DIAGRAM

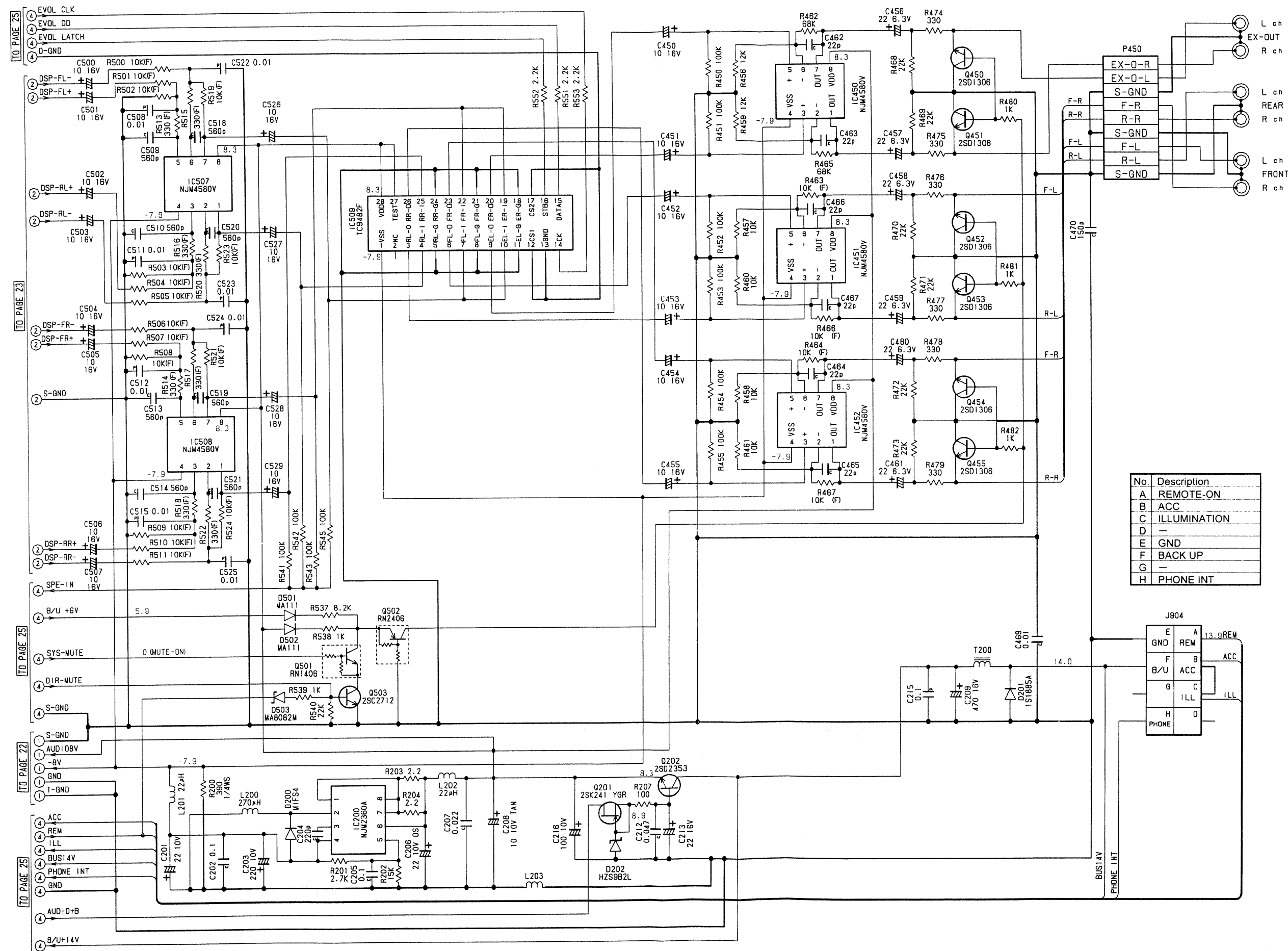
Switch PWB(B2) section

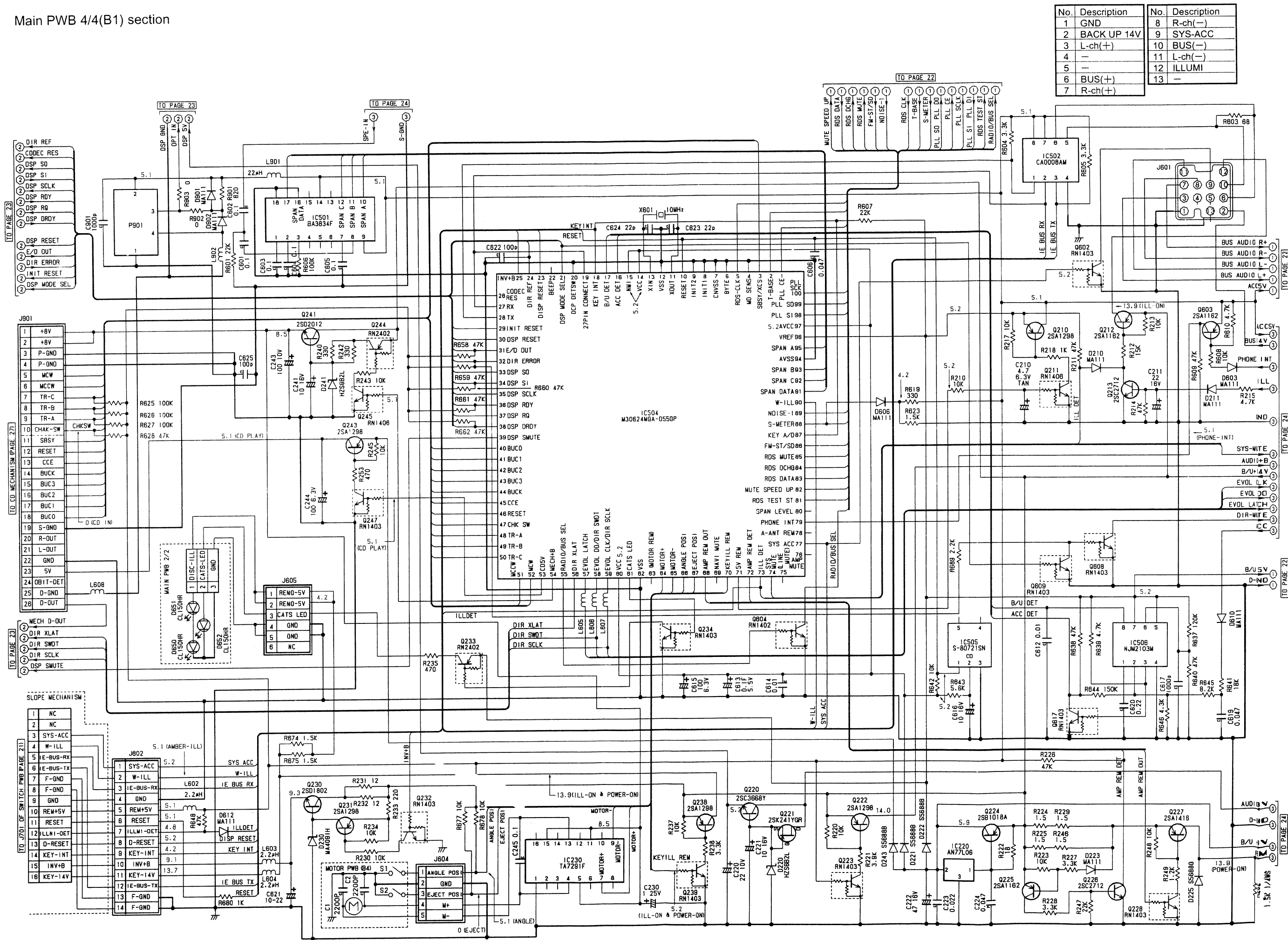






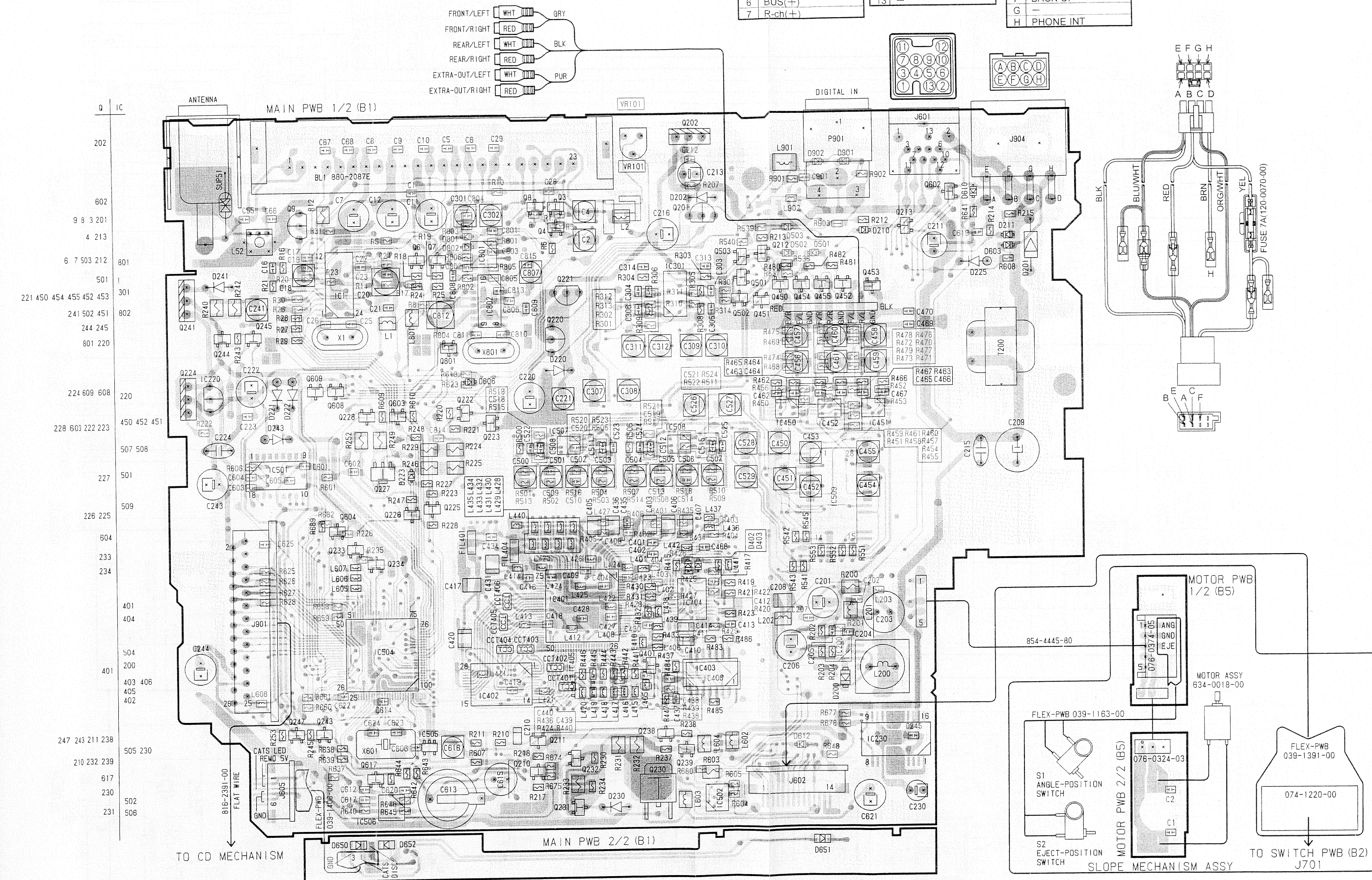
Main PWB 3/4(B1) section





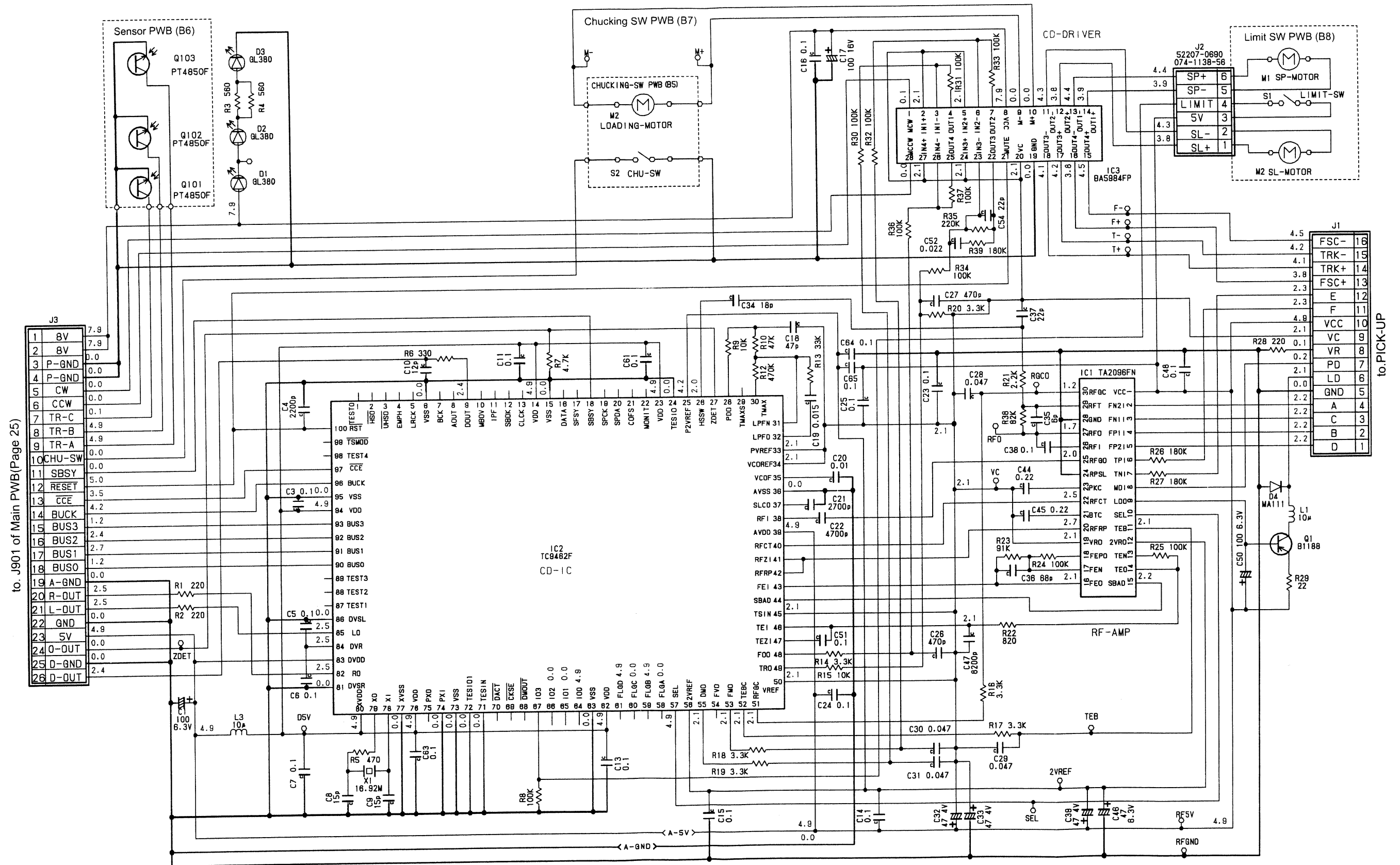
Main PWB / Motor PWB section

No.	Description
A	REMOTE-ON
B	ACC
C	ILLUMINATION
D	—
E	GND
F	BACK UP
G	—
H	PHONE INT



CIRCUIT DIAGRAM

CD mechanism section



■ PRINTED WIRING BOARD

CD mechanism section

